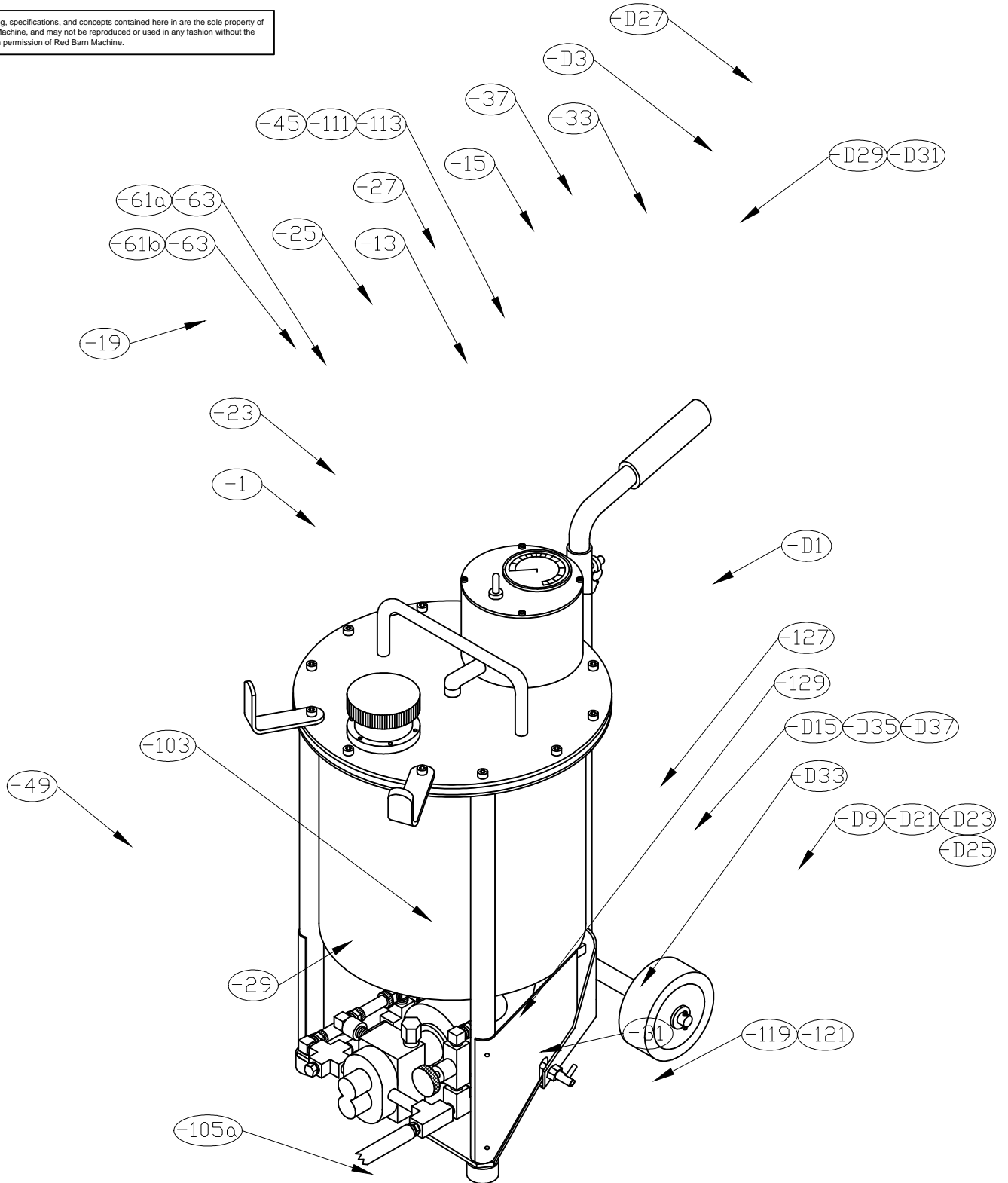


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**RED BARN MACHINE**

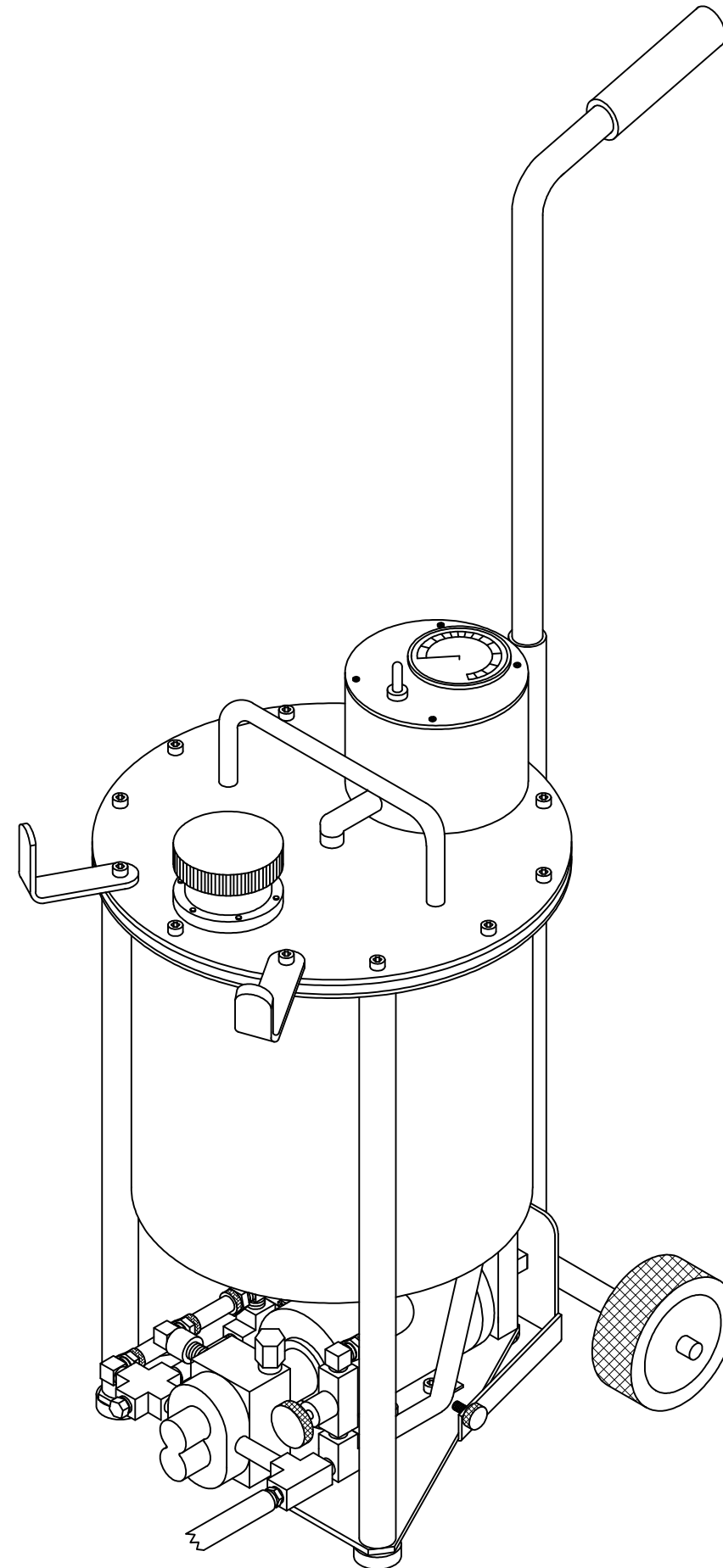
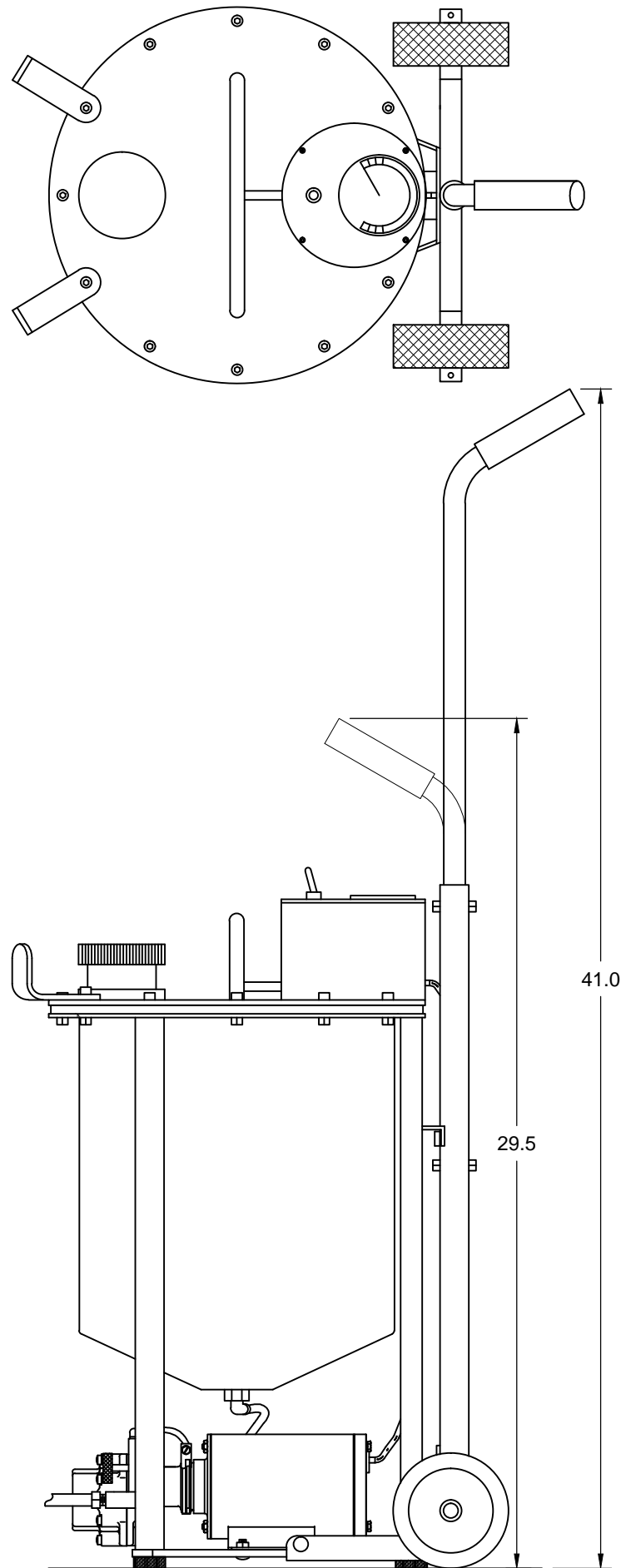
TITLE PORTABLE ELECTRIC  
WASH UNIT

DWG NO. RBT18653

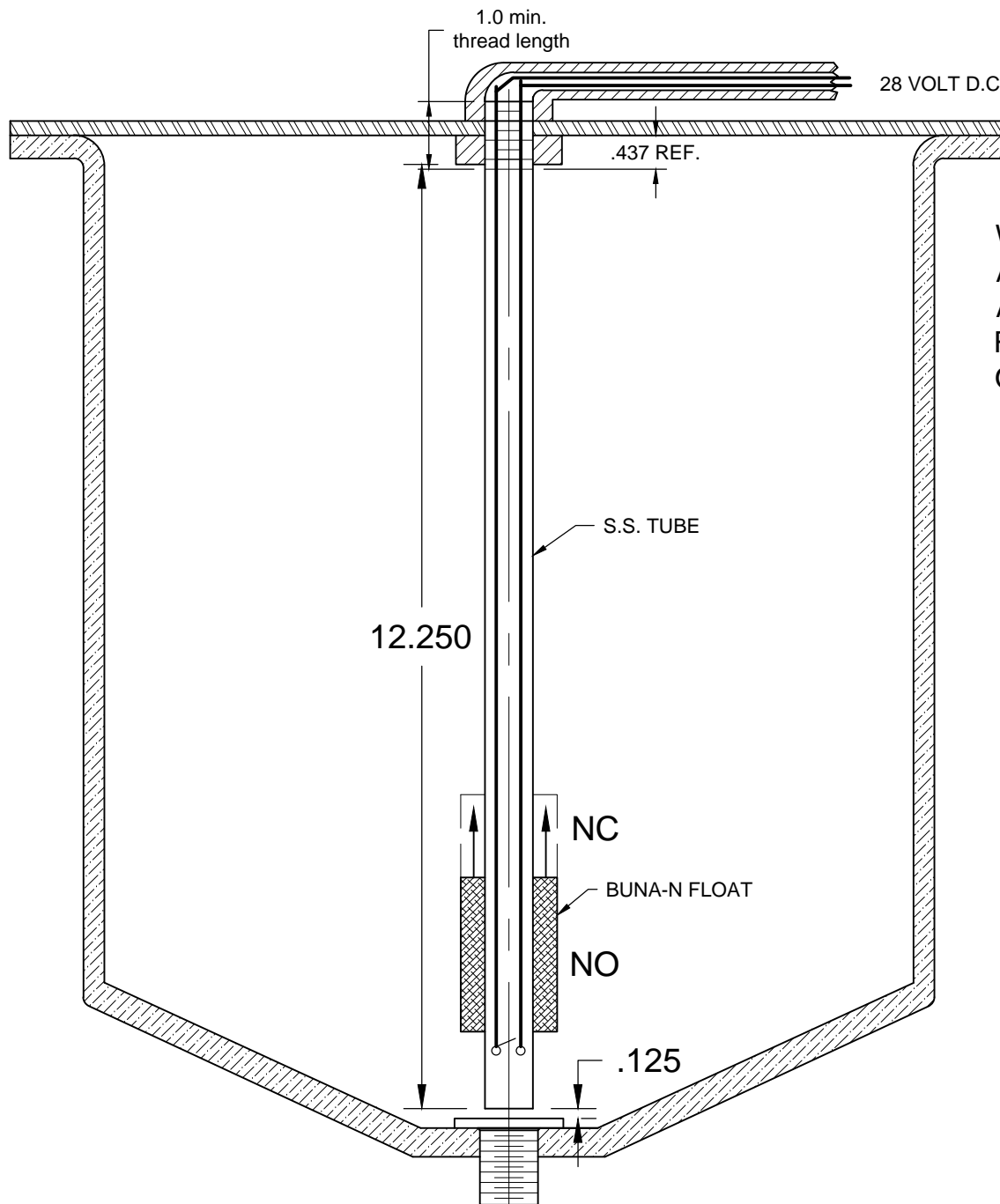
**RED BARN MACHINE**

190 S. DANEBO AVE.  
Eugene, Oregon 97402  
(541) 344-9953; fax (541) 344-3863  
e-mail; sales@redbarn.net

Pg. 1




|                  |  |
|------------------|--|
| RED BARN MACHINE |  |
| TITLE            | PORTABLE ELECTRIC<br>WASH UNIT & DOLLY |
| DWG NO.          | RBT18653                               |

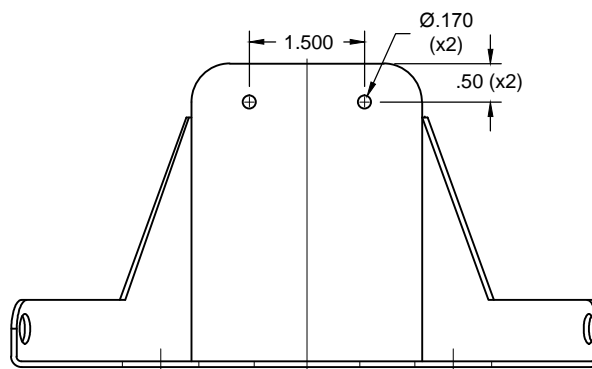
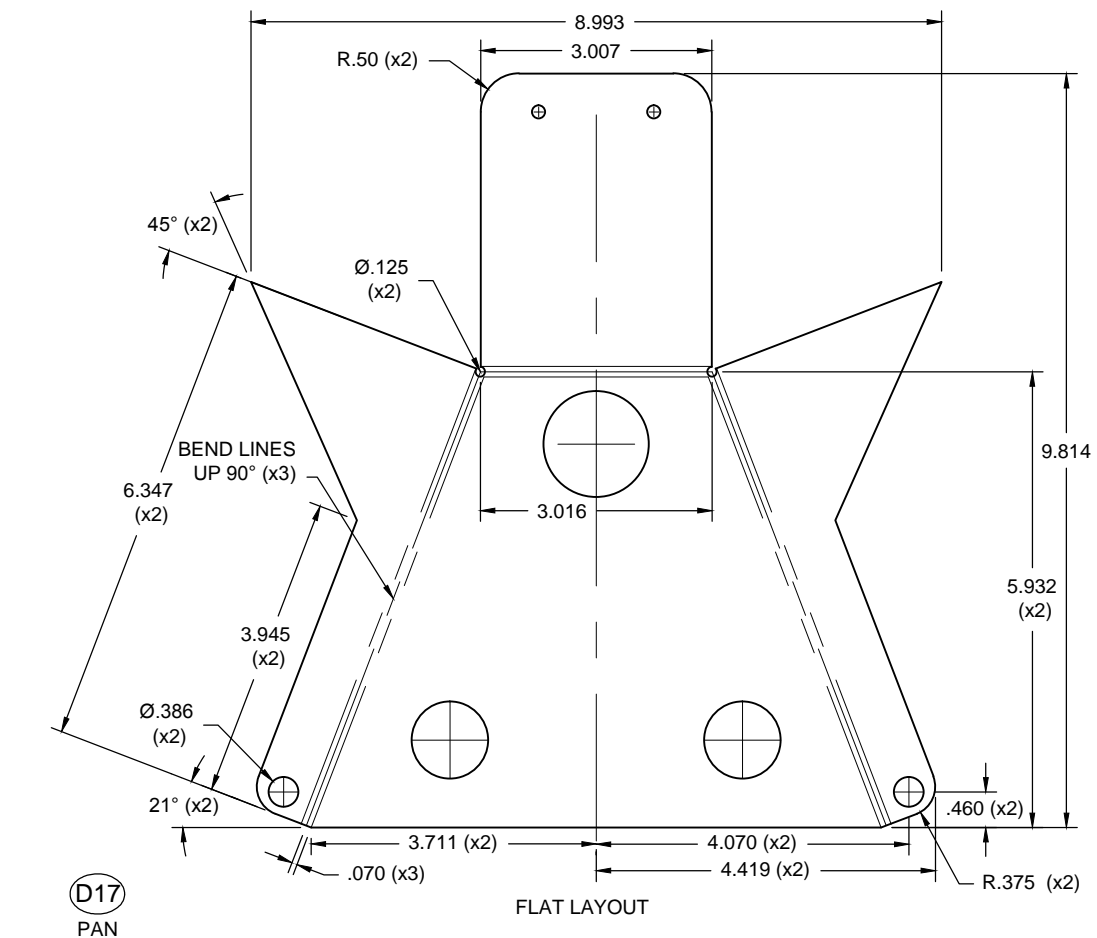



WE NEED TO HAVE A FLOAT SWITCH  
AS CLOSE AS POSSIBLE TO THIS  
ARRANGEMENT. PLEASE CONTACT  
RYAN AT HELI-TECH FOR PURCHASE  
ORDER NUMBER AS SOON AS POSSIBLE.

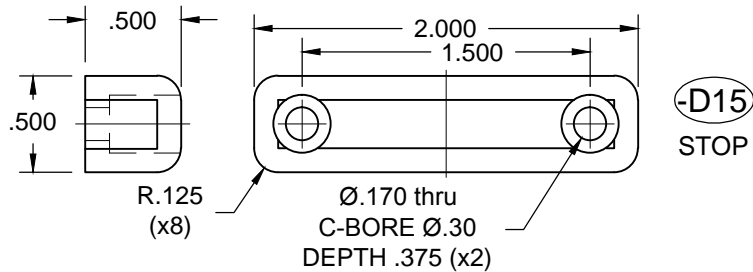
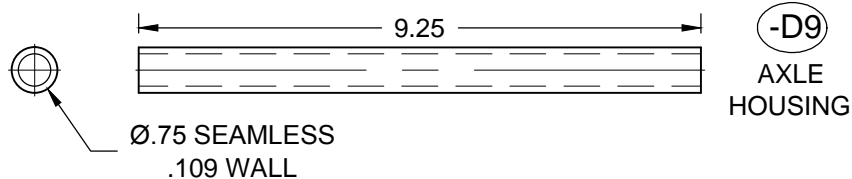
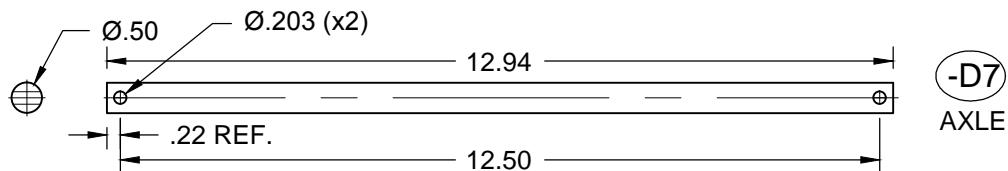
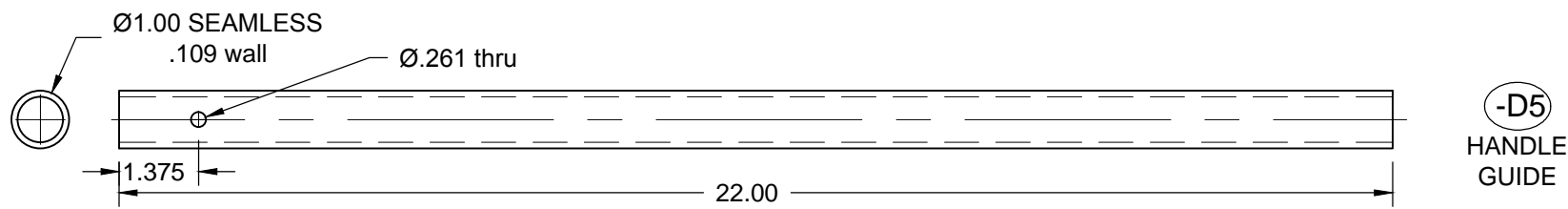
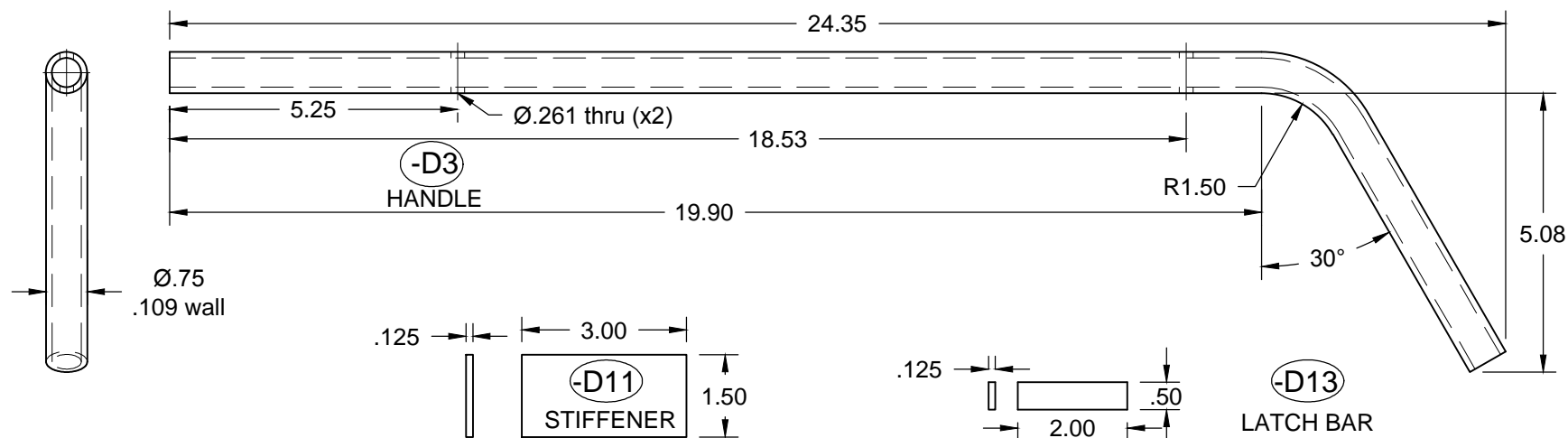
**RED BARN MACHINE**  
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(541) 344-9953; fax (541) 344-3863  
e-mail; sales@redbarn.net

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|  |                     |  |            |
|--|---------------------|--|------------|
|  <b>RED BARN MACHINE</b>                          |                     |  |            |
| <b>TITLE</b> PORTABLE ELECTRIC WASH KIT<br>PUMP SHUT OFF SWITCH  |                     |  |            |
| <b>DWG NO.</b> RBT18653-45   |                     |  | <b>REV</b> |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ON:<br>DECIMALS<br>.XXX $\pm$ .005<br>.XX $\pm$ .01<br>X $\pm$ .1 |                     | DRAWN BY: PERRITT<br>APPROVED<br>HEAT<br>TREAT<br>FINISH<br>SPEC |            |
| UNLESS OTHERWISE SPECIFIED<br>1. BREAK ALL SHARP EDGES<br>.015 x 45° PR .015 R<br>2. DIMENSIONAL LIMITS APPLY AFTER PLATING            |                     | USED ON MODEL  |            |
| <b>SCALE</b> NTS   | <b>DATE</b> 5-29-08 | <b>SHEET</b> 9 of 9  |            |

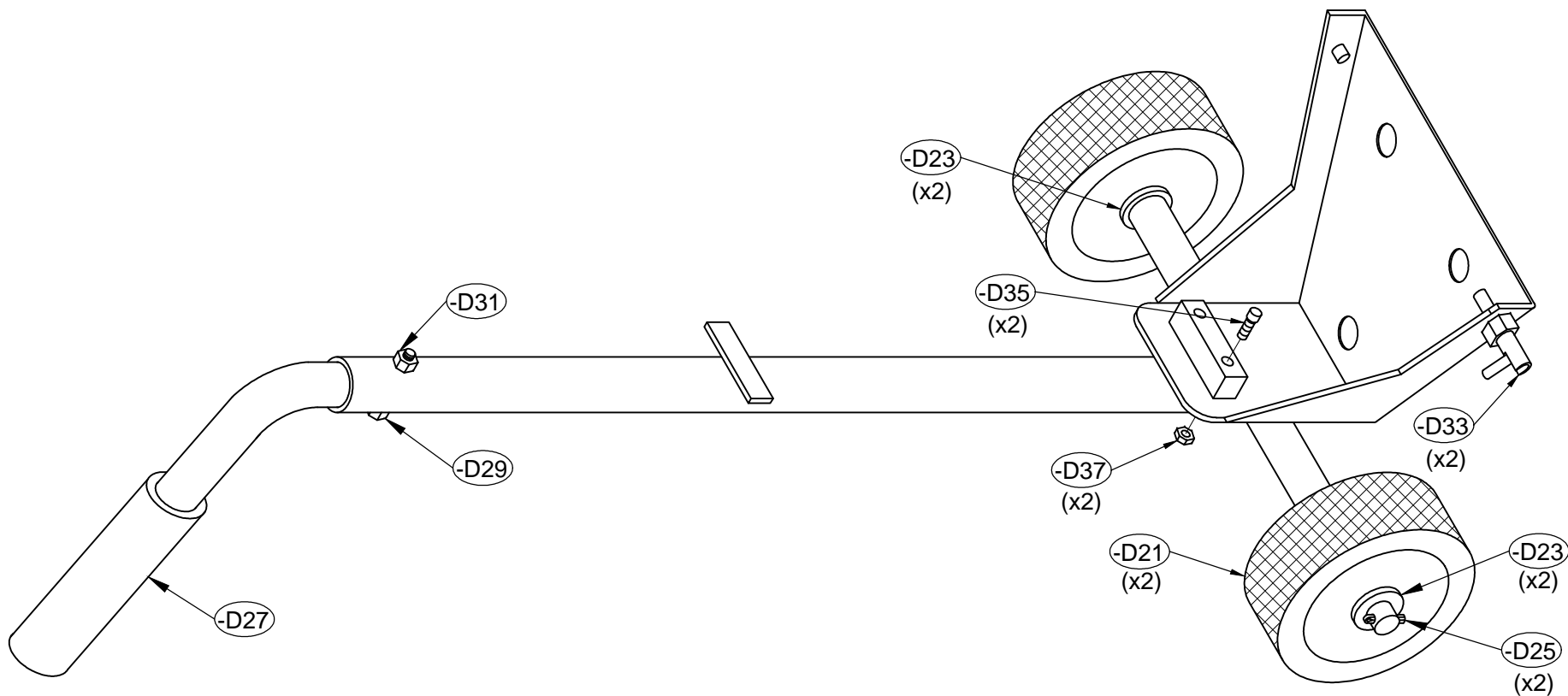


|  |  |
|--|--|
|  <b>RED BARN MACHINE</b>  |  |
| <b>TITLE</b> PORTABLE ELECTRIC WASH UNIT<br>HAND TRUCK PAN   |  |
| <b>DWG NO.</b> RBT18653-D17  | <b>REV</b>   |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br><br>TOLERANCES ON:<br>DECIMALS<br>.XXX ± .005<br>.XX ± .01<br>.X ± .1<br><br>FRACTIONS ± 1/32<br>ANGLES ± 5° | DRAWN BY: PERRITT<br>APPROVED<br>HEAT<br>TREAT<br>FINISH<br>SPEC |
| UNLESS OTHERWISE SPECIFIED<br>1. BREAK ALL SHARP EDGES<br>.015 x 45° PR .015 R<br>2. DIMENSIONAL LIMITS APPLY AFTER PLATING  | USED ON MODEL<br><br><br>  |
| <b>SCALE</b> NTS   | <b>DATE</b> 8-20-08  |
| <b>SHEET</b> 15 of 15  |  |




| RED BARN MACHINE  |                       |                   |          |
|---|-----------------------|-------------------|----------|
| TITLE PORTABLE ELECTRIC WASH UNIT<br>HAND TRUCK PARTS   |                       |                   |          |
| DWG NO.   | RBT18653-D3 THRU -D15 |                   | REV      |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES  |                       | DRAWN BY: PERRITT |          |
| TOLERANCES ON:  |                       | APPROVED          |          |
| DECIMALS  |                       | HEAT              |          |
| XXX ± .005  |                       | TREAT             |          |
| XX ± .01  |                       | FINISH            |          |
| X ± .1  |                       | SPEC              |          |
| FRACTIONS ± 1/32  |                       | USED ON MODEL     |          |
| ANGLES ± 5°   |                       |                   |          |
| UNLESS OTHERWISE SPECIFIED<br>1. BREAK ALL SHARP EDGES<br>.015 x 45° PR .015 R<br>2. DIMENSIONAL LIMITS APPLY AFTER PLATING |                       |                   |          |
| SCALE   | NTS                   | DATE              | 8-20-08  |
|   |                       | SHEET             | 14 of 15 |

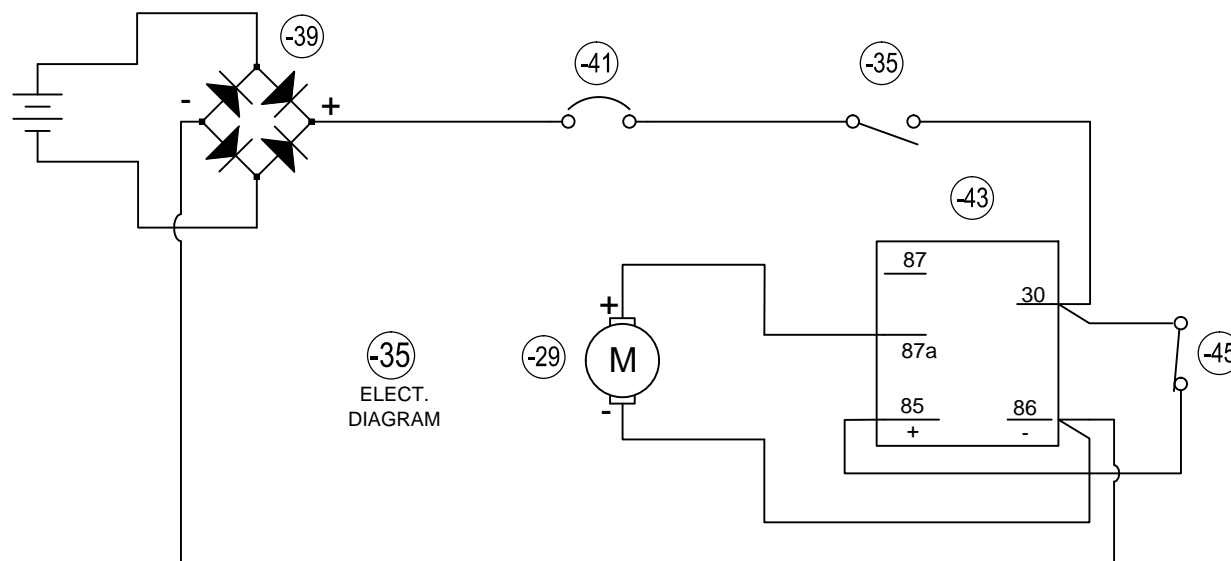
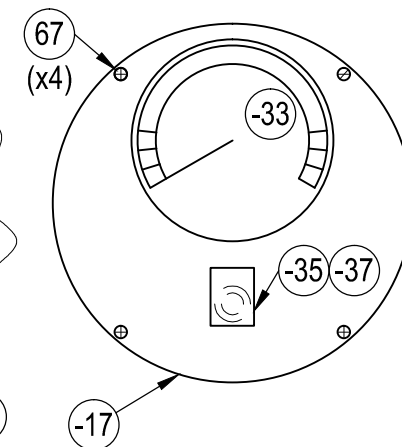
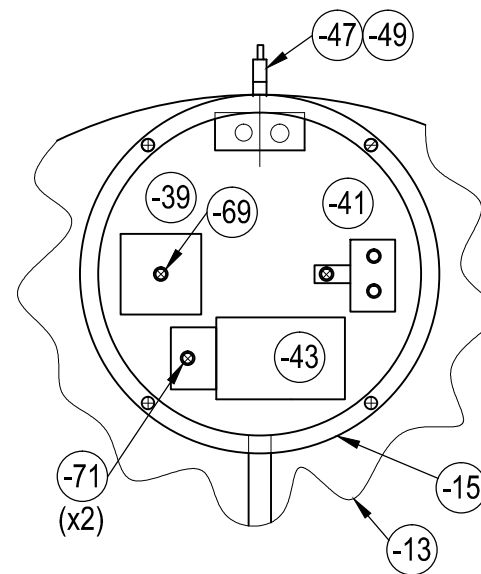
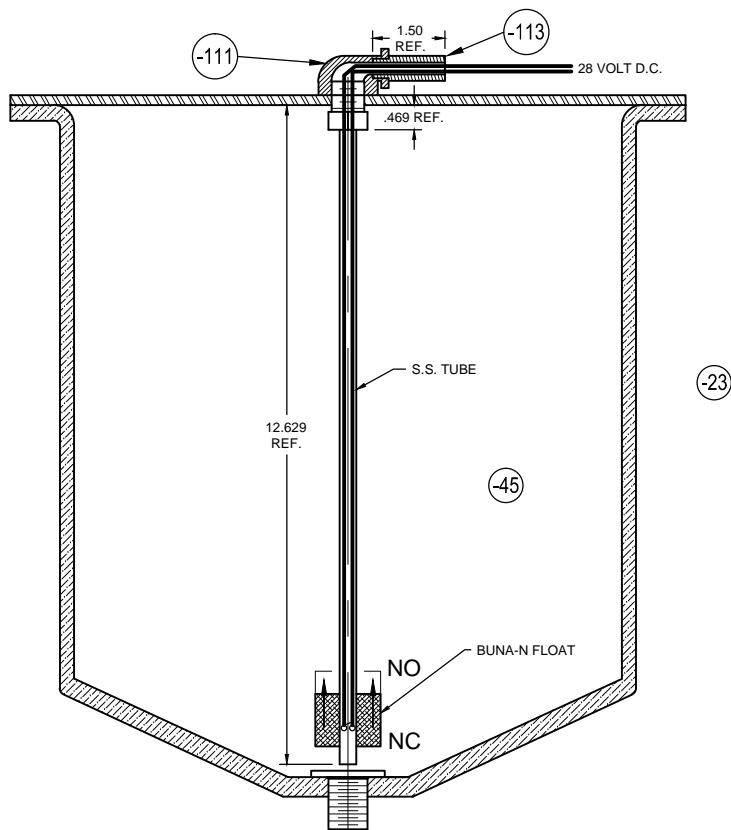




# NOTES

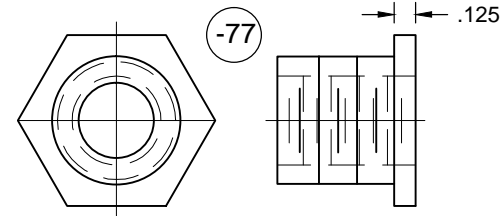
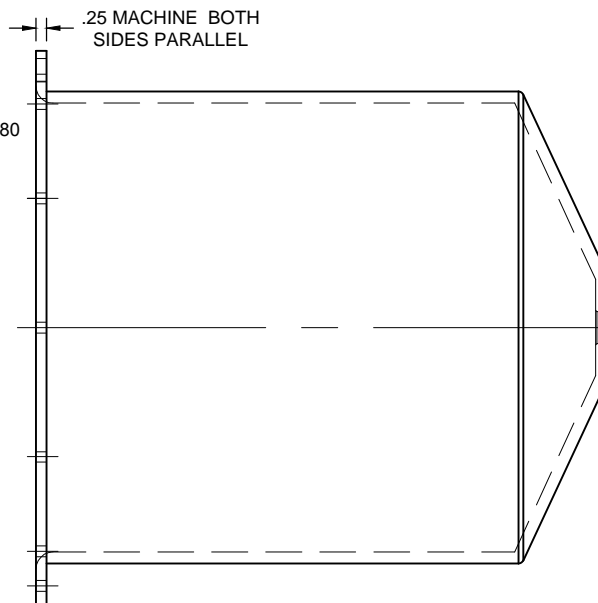
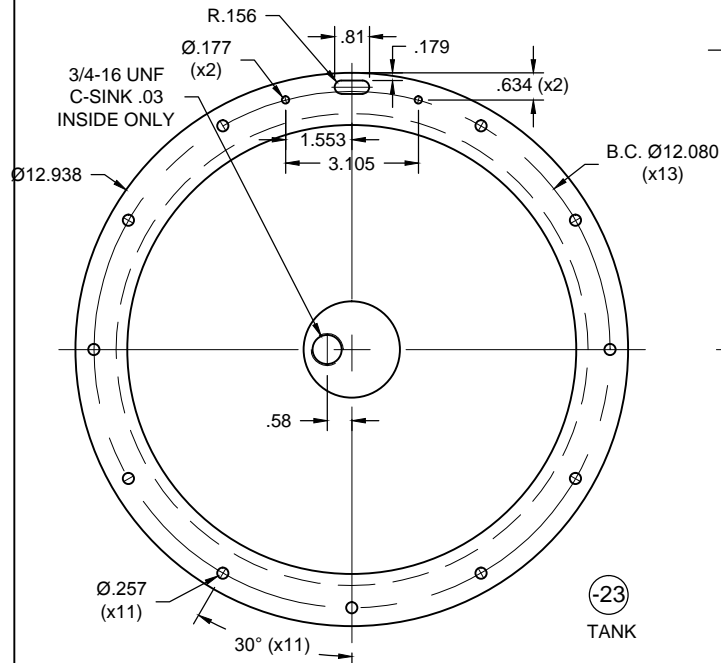
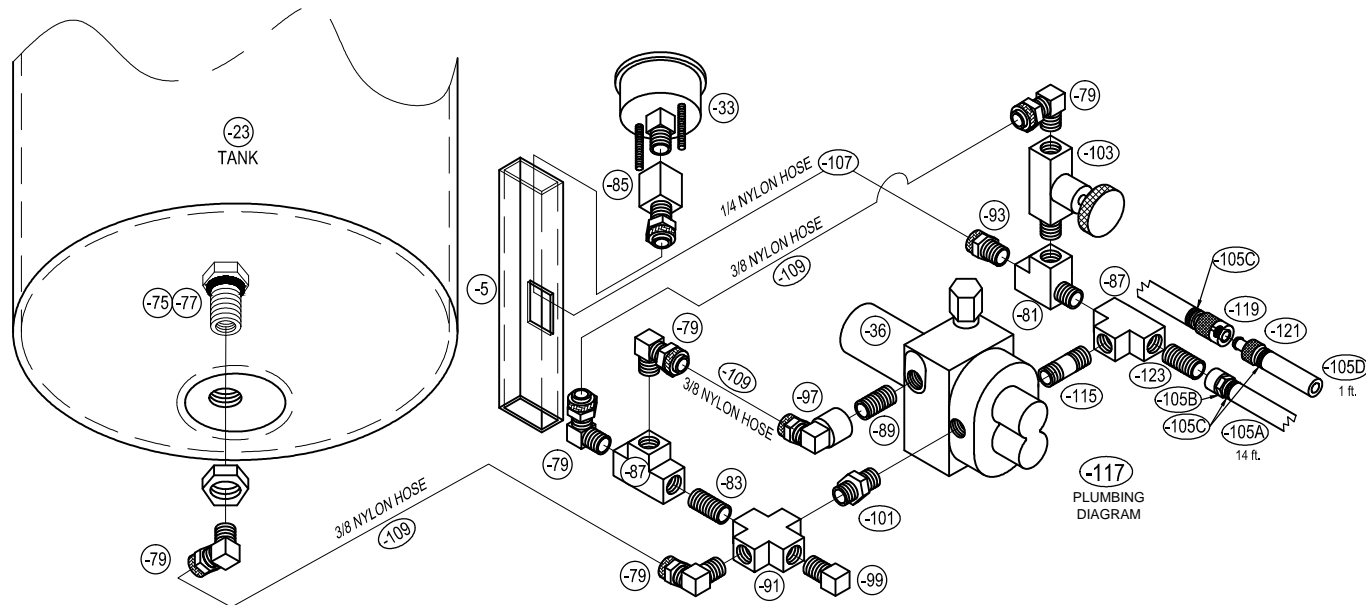
- LATCH PIN HANDLES MUST FACE STRAIGHT BACK TOWARDS TIRES

|   |                                  |
|---|----------------------------------|
|  <b>RED BARN MACHINE</b>               |                                  |
| <b>TITLE</b> PORTABLE ELECTRIC WASH UNIT<br>HAND TRUCK ASSEMBLY   |                                  |
| <b>DWG NO.</b> RBT18653-D   | <b>REV</b>                       |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES  |                                  |
| <b>TOLERANCES ON:</b>   |                                  |
| DECIMALS<br>.XXX ± .005<br>.XX ± .01<br>X ± .1  | FRACTIONS ± 1/32<br>ANGLES ± .5° |
| UNLESS OTHERWISE SPECIFIED<br>1. BREAK ALL SHARP EDGES<br>.015 x 45° PR .015 R<br>2. DIMENSIONAL LIMITS APPLY AFTER PLATING |                                  |
| <b>SCALE</b> NTS  | <b>DATE</b> 8-20-08              |
| <b>SHEET</b> 12 of 15   |                                  |
| <b>DRAWN BY:</b> PERRITT  |                                  |
| <b>APPROVED</b>   |                                  |
| <b>HEAT TREAT</b>   |                                  |
| <b>FINISH SPEC</b>  |                                  |
| <b>USED ON MODEL</b>  |                                  |

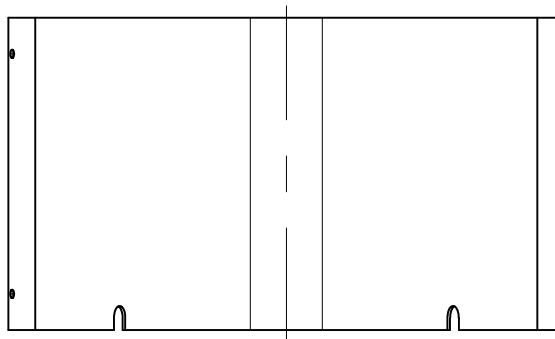
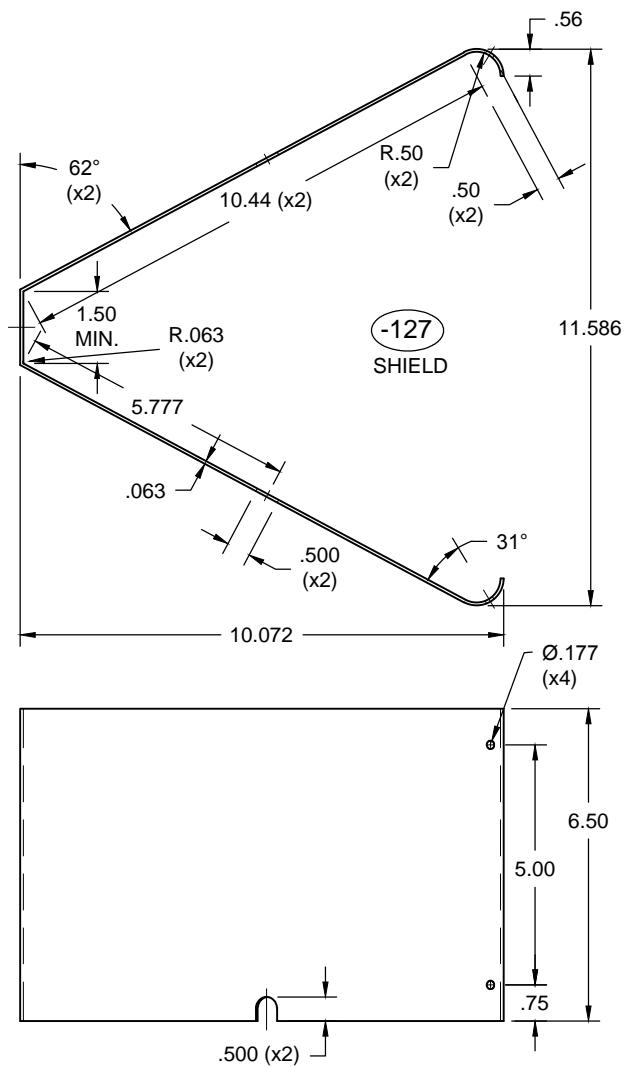



| RED BARN MACHINE  |              |                   |
|---|--------------|-------------------|
| TITLE PORTABLE ELECTRIC WASH KIT<br>ELECT. PARTS & DIAGRAM  |              |                   |
| DWG NO.   | RBT18653-115 | REV               |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES  |              | DRAWN BY: PERRITT |
| TOLERANCES ON:  |              | APPROVED          |
| DECIMALS  |              | HEAT              |
| XXX ± .005  |              | TREAT             |
| XX ± .01  |              | FINISH            |
| X ± .1  |              | SPEC              |
| FRACTIONS ± 1/32  |              | USED ON MODEL     |
| ANGLES ± 5°   |              |                   |
| UNLESS OTHERWISE SPECIFIED<br>1. BREAK ALL SHARP EDGES<br>.015 x 45° PR .015 R<br>2. DIMENSIONAL LIMITS APPLY AFTER PLATING |              |                   |
| SCALE   | NTS          | DATE 5-29-08      |
|   |              | SHEET 11 of 15    |

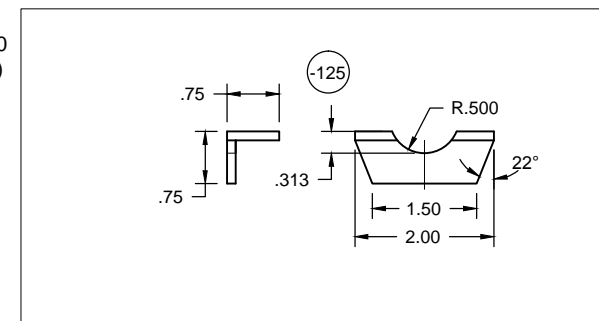
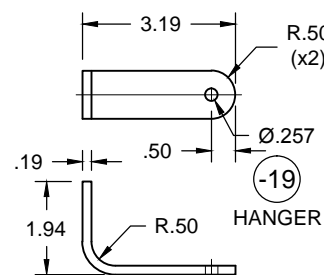
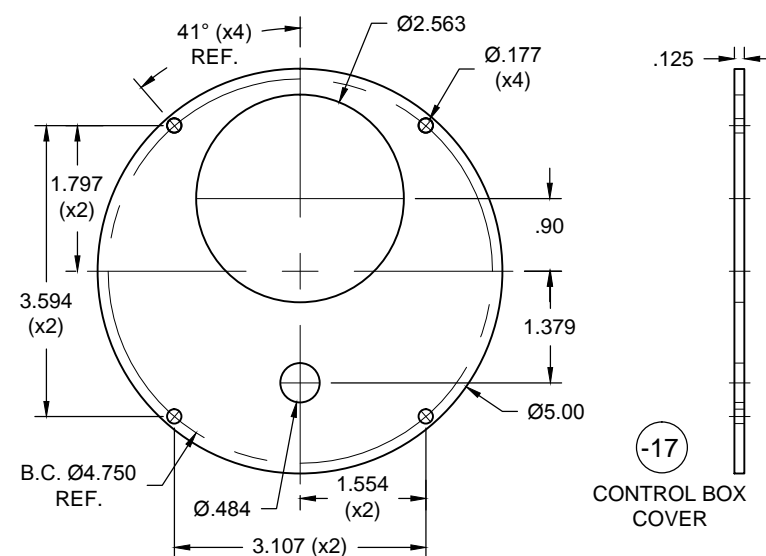





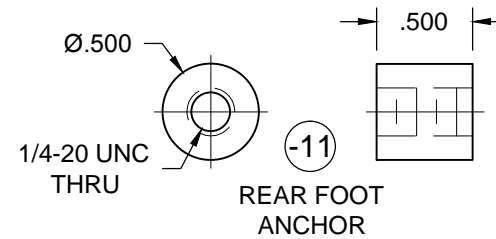
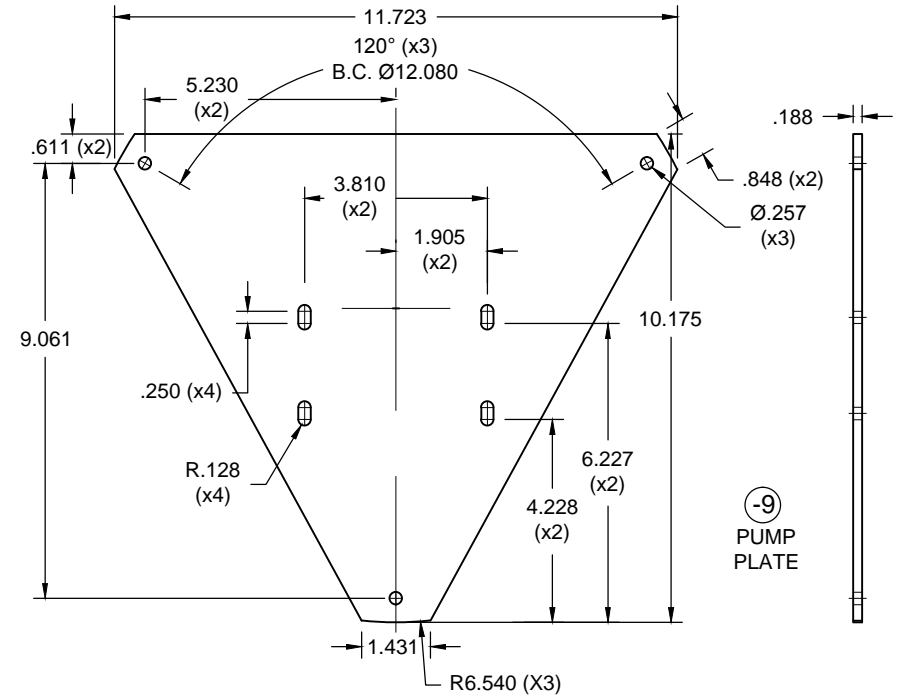
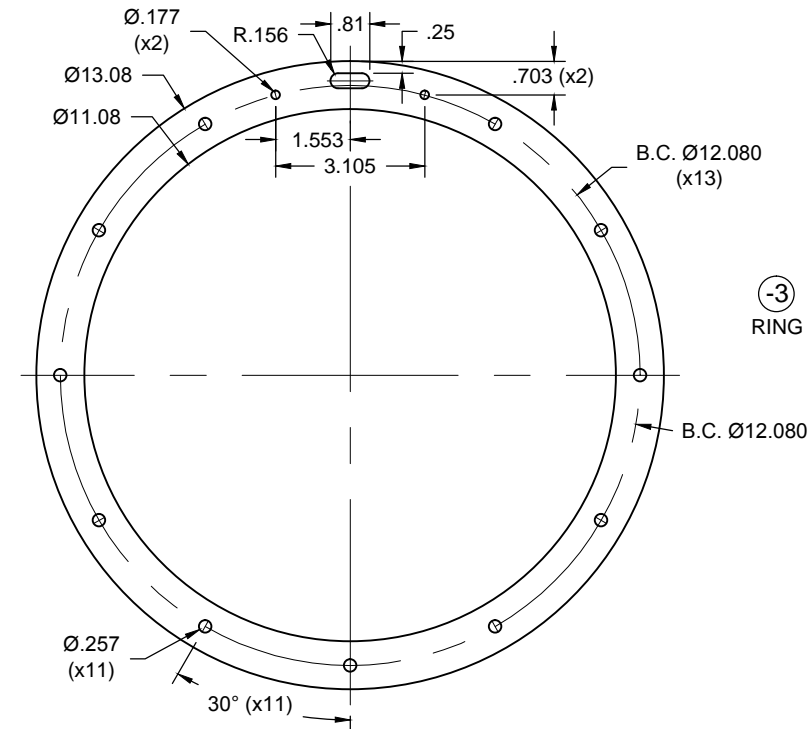
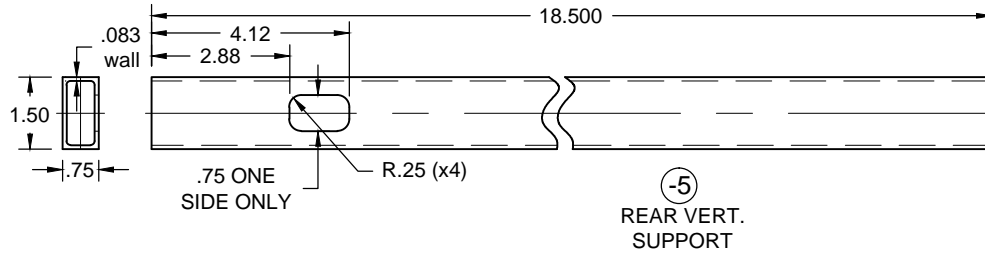
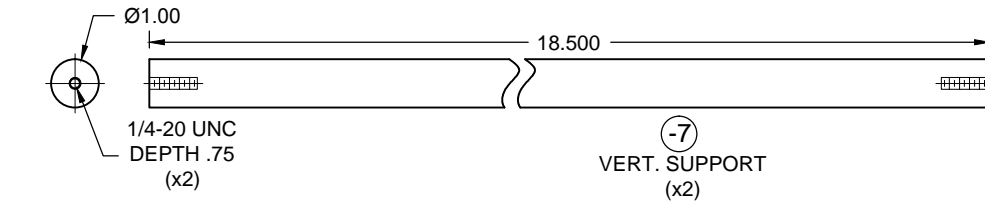
| RED BARN MACHINE  |                          |                   |          |
|---|--------------------------|-------------------|----------|
| TITLE PORTABLE ELECTRIC WASH KIT<br>TANK & PLUMBING DIAGRAM   |                          |                   |          |
| DWG NO.   | RBT18653-23 & -77 & -119 |                   | REV      |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES  |                          | DRAWN BY: PERRITT |          |
| TOLERANCES ON:  |                          | APPROVED          |          |
| DECIMALS  |                          | HEAT              |          |
| XXX ± .005  |                          | TREAT             |          |
| XX ± .01  |                          | FINISH            |          |
| X ± .1  |                          | SPEC              |          |
| FRACTIONS ± 1/32  |                          | USED ON MODEL     |          |
| ANGLES ± 5°   |                          |                   |          |
| UNLESS OTHERWISE SPECIFIED<br>1. BREAK ALL SHARP EDGES<br>.015 x 45° PR .015 R<br>2. DIMENSIONAL LIMITS APPLY AFTER PLATING |                          |                   |          |
| SCALE   | NTS                      | DATE              | 5-29-08  |
|   |                          | SHEET             | 10 of 15 |



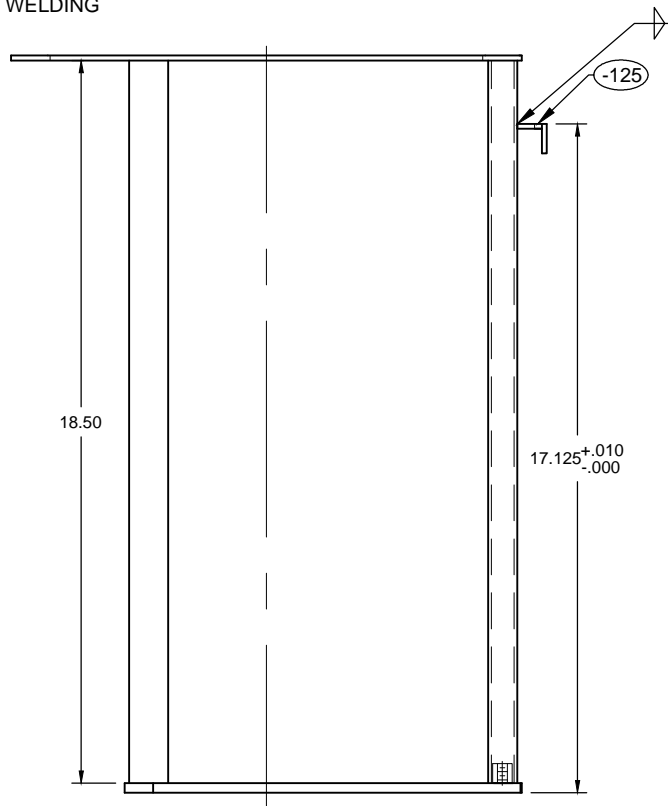
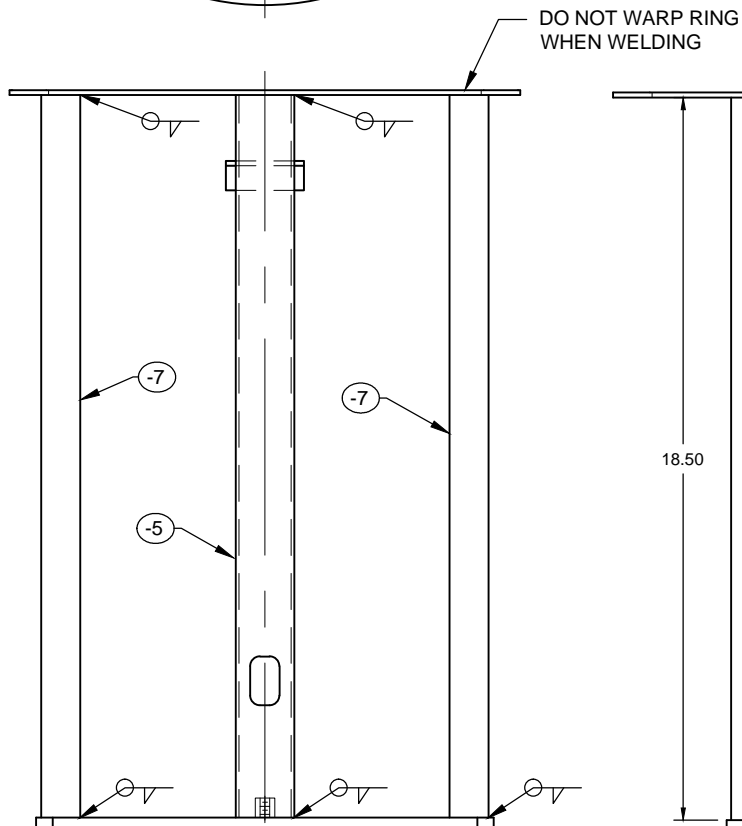
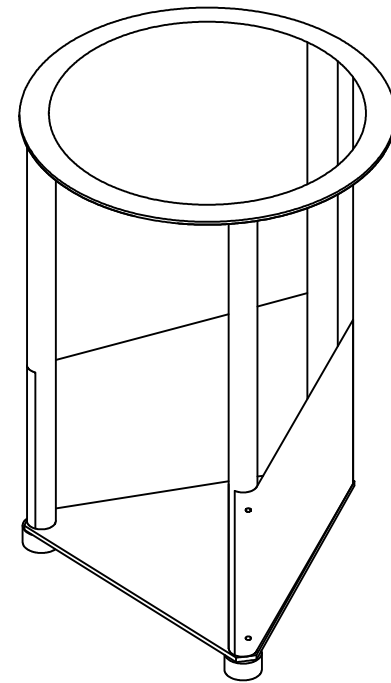
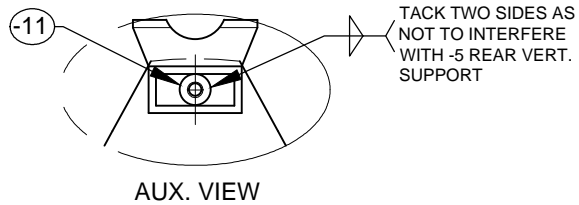
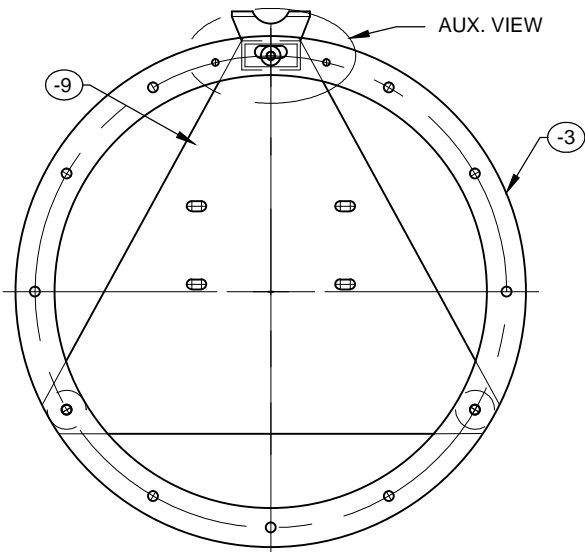
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|---|--|--|-----|
|  RED BARN MACHINE                      |  |  |     |
| TITLE PORTABLE ELECTRIC WASH KIT SHIELD   |  |  |     |
| DWG NO. RBT18653-127  |  |  | REV |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES  |  | DRAWN BY: PERRITT                      |     |
| TOLERANCES ON:<br>DECIMALS<br>.XXX ± .005<br>.XX ± .01<br>.X ± .1   |  | APPROVED                               |     |
| FRACTIONS ± 1/32<br>ANGLES ± 5°   |  | HEAT TREAT                             |     |
| UNLESS OTHERWISE SPECIFIED<br>1. BREAK ALL SHARP EDGES<br>.015 x 45° PR .015 R<br>2. DIMENSIONAL LIMITS APPLY AFTER PLATING |  | FINISH SPEC POWDER COAT S/W NITRO BLUE |     |
| SCALE NTS   |  | USED ON MODEL                          |     |
| DATE 5-29-08  |  | SHEET 9 of 15                          |     |



|   |   |
|---|---|
|  <b>RED BARN MACHINE</b>                                     |   |
| <b>TITLE</b> PORTABLE ELECTRIC<br>WASH KIT PARTS  |   |
| <b>DWG NO.</b> RBT18653-13 THRU -17   | <b>REV</b>  |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ON:<br>.XXX ± .005<br>.XX ± .01<br>X ± .1<br>FRACTIONS ± 1/32<br>ANGLES ± 5° | <b>DRAWN BY:</b> PERRITT<br><b>APPROVED</b><br><b>HEAT TREAT</b><br><b>FINISH SPEC</b> POWDER COAT S/W NITRO BLU<br>USED ON MODEL |
| UNLESS OTHERWISE SPECIFIED<br>1. BREAK ALL SHARP EDGES<br>.015 x 45° PR .015 R<br>2. DIMENSIONAL LIMITS APPLY AFTER PLATING                       |   |
| <b>SCALE</b> NTS  | <b>DATE</b> 5-29-08   |
| <b>SHEET</b> 8 of 15  |   |



| RED BARN MACHINE                                       |            |                                     |         |
|--|------------|-------------------------------------|---------|
| TITLE  |            | PORTABLE ELECTRIC<br>WASH KIT PARTS |         |
| DWG NO.  | RBT18653-3 | THRU                                | REV     |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES |            | DRAWN BY: PERRITT                   |         |
| TOLERANCES ON:   |            | APPROVED                            |         |
| DECIMALS   |            | HEAT                                |         |
| XXX ± .005   |            | TREAT                               |         |
| XX ± .01   |            | FINISH                              |         |
| X ± .1   |            | SPEC                                |         |
| FRACTIONS ± 1/32                                       |            | SEE WELDMENT                        |         |
| ANGLES ± 5°  |            | USED ON MODEL                       |         |
| UNLESS OTHERWISE SPECIFIED                             |            |                                     |         |
| 1. BREAK ALL SHARP EDGES                               |            |                                     |         |
| .015 x 45° PR .015 R                                   |            |                                     |         |
| 2. DIMENSIONAL LIMITS APPLY AFTER PLATING              |            |                                     |         |
| SCALE  | NTS        | DATE                                | 5-29-08 |
|  |            | SHEET                               | 7 of 15 |




|   |  |
|---|--|
| <b>RED BARN MACHINE</b>   |  |
| TITLE PORTABLE ELECTRIC<br>WASH KIT WELDMENT  |  |
| DWG NO. RBT18653-1  | REV  |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ON:<br>DECIMALS<br>.XXX ± .005<br>.XX ± .01<br>.X ± .1 | DRAWN BY: PERRITT<br>APPROVED<br>HEAT TREAT<br>FINISH SPEC POWDER COAT S/W NITRO BLUE<br>USED ON MODEL |
| UNLESS OTHERWISE SPECIFIED<br>1. BREAK ALL SHARP EDGES<br>015 x 45° PR. 015 R<br>2. DIMENSIONAL LIMITS APPLY AFTER PLATING  |  |
| SCALE NTS   | DATE 5-29-08 SHEET 6 of 15   |

RBT18653-D PORT. ELECT. WASH KIT HAND TRUCK B.O.M.

RED BARN MACHINE

# RBT18653 PORT. ELECT. WASH KIT B.O.M.

| ASSY QTY   | ASSY QTY   | ASSY QTY   | B/O | PART # | QTY   | DESCRIPTION                                  | MATERIAL           | B/O INFORMATION OR SPECIFICATIONS                        | Pg. |
|--|------------|------------|-----|--------|-------|--|--------------------|--|-----|
|  |            |            | B/O | -83    | 1     | 1/4 NPT x 3 NIPPLE                           | BRASS              | PACIFIC RUBBER # PAR215PNL-4-30                          | 7   |
|  |            |            | B/O | -85    | 1     | 90° (Fem) 1/4 NPT TO 1/4 FLARELESS           | BRASS              | PACIFIC RUBBER # PAR170-PF-4-4                           | 7   |
|  |            |            | B/O | -87    | 2     | 1/4 NPT (Fem) "T" FITTING                    | BRASS              | PACIFIC RUBBER # PAR2203P-4                              | 7   |
|  |            |            | B/O | -89    | 1     | 1/4 NPT x 1 NIPPLE                           | BRASS              | PACIFIC RUBBER # PAR216P-4                               | 7   |
|  |            |            | B/O | -91    | 1     | 1/4 NPT (Fem) 4-WAY                          | BRASS              | PACIFIC RUBBER # PAR2205P-4                              | 7   |
|  |            |            | B/O | -93    | 1     | 1/4 NPT (M) TO 1/4 FLARELESS                 | BRASS              | PACIFIC RUBBER # PAR68PF-4-4                             | 7   |
|  |            |            | B/O | -95    | 1     | 1/4 NPT CAP                                  | BRASS              | PACIFIC RUBBER # PAR213P-4                               | 7   |
|  |            |            | B/O | -97    | 1     | 90° (Fem) 1/4 NPT TO 3/8 FLARELESS           | BRASS              | PACIFIC RUBBER # PAR170-PF-6-4                           | 7   |
|  |            |            | B/O | -99    | 1     | 1/4 NPT (M) HEX PLUG                         | BRASS              | PACIFIC RUBBER # PAR218P-4                               | 7   |
|  |            |            | B/O | -101   | 1     | 1/4 NPT x 1-1/8 NIPPLE W/HEX CENTER          | BRASS              | PACIFIC RUBBER # PAR216P-4-4                             | 7   |
|  |            |            | B/O | -103   | 1     | RELIEF VALVE 1/4 NPT (M) TO (FEM)            | BRASS              | PARAMONT SUPPLY # 3000-6B                                | 7   |
|  |            |            | B/O | -105A  | 1     | HIGH PRESSURE HOSE W/ CRIMPED FITTINGS       | BLUE RUBBER        | Ø1/4 I.D. x 14 ft. FLUID CONNECTOR (PARKER) # 7212-251BL | 7   |
|  |            |            | 1   | B/O    | -105B | JIC 37° 1/4 NPT (fem) SWIVEL TO BARB; SAE 45 | BRASS              | PACIFIC RUBBER # NWHSF-4-4                               | 7   |
|  | 1          | 2          | B/O | -105C  |       | CRIMP HOSE CLAMP                             | S.S.               | HOSE 1/4 I.D. 7/16 O.D. PACIFIC RUBBER #                 | 7   |
|  |            |            | B/O | -105D  | 1     | HIGH PRESSURE HOSE W/ CRIMPED FITTINGS       | BLUE RUBBER        | Ø1/4 I.D. x 1 ft. FLUID CONNECTOR (PARKER) # 7212-251BL  | 7   |
|  |            |            | B/O | -107   | 1     | HOSE   | NYLON              | Ø1/4 O.D. x 3 ft. PACIFIC RUBBER # COINYLON 11-1/4       | 7   |
|  |            |            | B/O | -109   | 1     | HOSE   | NYLON              | Ø3/8 O.D. x 3 ft. FLUID CONNECTOR # NN-6-050             | 7   |
|  |            |            | B/O | -111   | 1     | 90° 3/8 NPT TO 1/4 NPT (FEM) ELBOW           | BRASS              | MCMaster-CARR # 4429K133                                 | 8   |
|  |            |            | B/O | -113   | 1     | 1/4 NPT x 2-1/2 NIPPLE                       | BRASS              | MCMaster-CARR # 4568K135                                 | 8   |
|  |            |            | B/O | -115   | 1     | 1/4 NPT x 2 NIPPLE                           | BRASS              | PACIFIC RUBBER # PAR215PNL-4-20                          | 7   |
|  |            |            |     | -117   |       | PLUMBING PARTS & DIAGRAM                     |                    |  | 7   |
|  | 1          |            | B/O | -119   |       | COLDER QUICK DISCONNECT BODY                 | CHROME PLATED ZINC | APPLIED IND. COLDER # MCD17004                           | 7   |
|  | 1          |            | B/O | -121   |       | COLDER QUICK DISCONNECT INSERT               | CHROME PLATED ZINC | APPLIED IND. COLDER # MCD22004                           | 7   |
|  |            |            | B/O | -123   | 1     | 1/4 TUBE TO 1/4 PIPE (M)                     | BRASS              | PACIFIC RUBBER # PAR48F-4-4                              | 7   |
|  |            |            |     | -125   | 1     | TOP HOOK TO CART                             | ALUMINUM ANGLE     | 1/8 x 3/4 x 3/4  | 4   |
|  |            |            |     | -127   | 1     | SHIELD                                       | 6061 SHEET         | 16 ga. (.06) x 7 x 24.27                                 |     |
| RBT18653-D PORT. ELECT. WASH KIT HAND TRUCK B.O.M. |            |            |     |        |       |  |                    |  |     |
|  |            |            |     | -D1    | 1     | FRAME WELDMENT                               |                    |  | 11  |
| 1  |            |            |     | -D3    |       | HANDLE                                       | CDS TUBING         | Ø3/4 x .109 wall x 26                                    | 12  |
| 1  |            |            |     | -D5    |       | HANDLE GUIDE                                 | CDS TUBING         | Ø1 x .109 wall x 22                                      | 12  |
| 1  |            |            |     | -D7    |       | AXLE HOUSING                                 | CDS TUBING         | Ø3/4 x .109 wall x 9-1/4                                 | 12  |
| 1  |            |            |     | -D9    |       | AXLE   | 1018 RND. BAR      | Ø1/2 x 12-11/16  | 12  |
| 1  |            |            |     | -D11   |       | STIFFENER                                    | 1018 FLAT BAR      | 1/8 x 1-1/2 x 3  | 12  |
| 1  |            |            |     | -D13   |       | LATCH BAR                                    | 1018 FLAT BAR      | 1/8 x 1/2 x 2  | 12  |
|  |            |            |     | -D15   | 1     | STOP   | UHMW               | 1/2 x 9/16 x 1-3/4                                       | 12  |
| 1  |            |            |     | -D17   |       | PAN  | 1018 SHEET         | 14 ga. x 9 x 9-1/4                                       | 11  |
| 2  |            |            | B/O | -D19   |       | WELD NUT                                     | PLAIN STEEL        | 3/8-16 MCMaster-CARR #93560A160                          | 10  |
|  |            |            | B/O | -D21   | 2     | WHEELS                                       | PLASTIC            | Ø4 x 2 width, DELRIN bearing, 1/2 in. axle MSC #00996330 | 10  |
|  |            |            | B/O | -D23   | 4     | WASHERS                                      | GALV. STEEL        | .125 thick x 1/2 I.D. x 1 O.D.                           | 10  |
|  |            |            | B/O | -D25   | 2     | COTTER PINS                                  | -                  | Ø3/16 x1   | 10  |
|  |            |            | B/O | -D27   | 1     | HANDLE GRIP                                  | VINYL              | Ø3/4 x 4-13/16 REID #GP-34                               | 10  |
|  |            |            | B/O | -D29   | 1     | SOCKET HEAD CAP SCREW                        | PLATED             | 1/4-20 x 1-3/8   | 10  |
| ASSY -D1   | ASSY -105D | ASSY -105A |     |        |       |  |                    |  |     |

|   |   |
|---|---|
|  <b>RED BARN MACHINE</b>   |   |
| <b>TITLE</b> PORTABLE ELECTRIC WASH KIT<br>BILL OF MATERIALS Pg. 2  |   |
| <b>DWG NO.</b> RBT18653   | <b>REV</b>  |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ON:<br>DECIMALS .XXX ± .005<br>.XX ± .01<br>.X ± .1<br>FRACTIONS ± 1/32<br>ANGLES ± 5° | <b>DRAWN BY:</b> PERRITT<br><b>APPROVED</b><br><b>HEAT TREAT</b><br><b>FINISH SPEC</b><br>USED ON MODEL |
| UNLESS OTHERWISE SPECIFIED<br>1. BREAK ALL SHARP EDGES<br>.015 x 45° PR .015 R<br>2. DIMENSIONAL LIMITS APPLY AFTER PLATING                                 |   |
| <b>SCALE</b> NTS  | <b>DATE</b> 5-29-08   |
| <b>SHEET</b> 4 of 15  |   |

# RBT18653 PORT. ELECT. WASH KIT B.O.M.

| ASSY QTY | ASSY QTY | B/O | PART # | QTY    | DESCRIPTION                                | MATERIAL           | B/O INFORMATION OR SPECIFICATIONS                   | Pg. |
|----------|----------|-----|--------|--------|--|--------------------|---|-----|
|          | X        |     | -1     | 1      | WELDMENT ASSEMBLY                          |                    |   | 4   |
| 1        |          |     | -3     |        | RING                                       | 6061 PLATE         | Ø13 x 1/8   | 5   |
| 1        |          |     | -5     |        | REAR VERT. SUPPORT                         | 6061 RECT. TUBE    | 3/4 x 1-1/2 x .083 wall x 18-1/8                    | 5   |
| 2        |          |     | -7     |        | VERT. SUPPORT                              | 6061 RND. BAR      | Ø1x 18-1/8  | 5   |
| 1        |          |     | -9     |        | PUMP PLATE                                 | 6061 PLATE         | 3/16 x 10-1/4 x 11-3/4                              | 5   |
| 1        |          |     | -11    |        | REAR FOOT ANCHOR                           | 6061 RND. BAR      | Ø1/2 x 1/2  | 5   |
|          |          |     | -13    | 1      | TOP  | 6061 PLATE         | Ø13 x 3/16  | 6   |
|          |          |     | -15    | 1      | CONTROL BOX                                | 6061 TUBE          | Ø5 x 3-1/8  | 6   |
|          |          |     | -17    | 1      | CONTROL BOX COVER                          | 6061 PLATE         | Ø4-3/4 x 1/8  | 6   |
|          |          |     | -19    | 2      | HOSE & CORD HANGERS                        | 6061 FLAT BAR      | 3/16 x 1 x 4-5/8                                    | 6   |
|          |          |     | -21    |        | ELECT. PARTS & DIAGRAM                     |                    |   | 8   |
| B/O      |          |     | -23    | 1      | 5 gal. TANK                                | POLYETHYLENE       | RYAN HERCO  | 7   |
| B/O      |          |     | -25    | 1      | FILLER CAP                                 |                    | MCMaster-CARR # 4473K21                             | 1   |
| B/O      |          |     | -27    | 1      | HANDLE                                     |                    | Ø1/2 x 3 x 8 REID # VPH-2550                        | 1   |
| B/O      |          |     | -29    | 1      | MOTOR & PUMP                               |                    | HEIDEN IND. PUMPS Orberdorfer model N91060GKC-28VDC | 1   |
| B/O      |          |     | -31    | 4      | FEET                                       |                    | MCMaster-CARR # 2284T51                             | 1   |
| B/O      |          |     | -33    | 1      | 0-200 PSI, 2.5 in., 1/4 CBM PRESSURE GAUGE |                    | FLUID CONNECTOR PRODUCTS INC. #9692180              | 1   |
| B/O      |          |     | -35    | 1      | HEAVY DUTY TOGGLE SWITCH                   |                    | NORVAC # 30-305 (PHILMORE)                          | 8   |
| B/O      |          |     | -37    | 1      | TOGGLE SWITCH GUARD                        |                    | NORVAC # 30-125 (PHILMORE)                          | 8   |
| B/O      |          |     | -39    | 1      | SILICON BRIDGE RECTIFIER                   |                    | NORVAC # NTE5322 (NTE ELECT.)                       | 8   |
| B/O      |          |     | -41    | 1      | AUTO RESET CIRCUIT BREAKER                 |                    | 24v 30 amp DEL CITY # 72010                         | 8   |
| B/O      |          |     | -43    | 1      | RELAY                                      |                    | 24v 20 amp SPORTS IMPORTS LTD # SM-091236           | 8   |
| B/O      |          |     | -45    | 1      | MADISON M4402-9384 FLOAT LVL. SWITCH       | S.S./BUNA-N-FLOAT  | RYAN HERCO # 49701338638                            | 8   |
| B/O      |          |     | -47    | 1      | ROUND CORD RETAINER                        | 14 ga./3           | .34 I.D. .735 O.D. NORVAC # 65-1060 (PHILMORE)      | 8   |
| B/O      |          |     | -49    | 50 ft. | TWO CONDUCTOR ELECT. CORD                  | 14 ga. COPPER WIRE | MCMaster-CAR # 7422K62                              | 8   |
| B/O      |          |     | -51    | 1 ft.  | SINGLE CONDUCTOR BLACK WIRE                | 14 ga. COPPER WIRE | NORVAC (NOBLE) # 4414-2P                            | N/S |
| B/O      |          |     | -53    | 1 ft.  | SINGLE CONDUCTOR WHITE WIRE                | 14 ga. COPPER WIRE | NORVAC (NOBLE) # 4414-7P                            | N/S |
| B/O      |          |     | -55    | 10     | 90° INSULATED (FEM) BLADE CONNECTOR        | 14 ga. COPPER      | NORVAC (PHILMORE) # 65-4745C                        | N/S |
| B/O      |          |     | -57    | 2      | BLADE ADAPTER (1 FEM) TO (2 MALE)          | COPPER             | NORVAC (NOBLE) # 741D                               | N/S |
| B/O      |          |     | -59    | 2      | RING TERMINAL                              | 14 ga. TO #8       | NORVAC KT-2024                                      | N/S |
| B/O      |          |     | -61a   | 9      | BUTTON SOC. HEAD CAP SCREW                 | S.S.               | 1/4-20 UNC x 1                                      | 1   |
| B/O      |          |     | -61b   | 2      | BUTTON SOC. HEAD CAP SCREW                 | S.S.               | 1/4-20 UNC x 1                                      | 1   |
| B/O      |          |     | -63    | 13     | NYLOCK NUTS                                | S.S.               | 1/4-20 UNC  | 1   |
| B/O      |          |     | -65    | 2      | SOC. HEAD CAP SCREW                        | S.S.               | #8-32 UNC x 1-1/4                                   | N/S |
| B/O      |          |     | -67    | 2      | WASHER                                     | S.S.               | #8  | N/S |
| B/O      |          |     | -69    | 1      | PAN HEAD SCREWS                            | S.S.               | #10-24 UNC x 3/4                                    | 8   |
| B/O      |          |     | -71    | 2      | PAN HEAD SCREWS                            | S.S.               | #10-24 UNC x 1/2                                    | 8   |
| B/O      |          |     | -73    | 4      | BUTTON SOC. HEAD CAP SCREW                 | S.S.               | 1/4-20 UNC x 1                                      | N/S |
| B/O      |          |     | -75    | 1      | O-RING                                     | VITON              | V75-016 CHRISTOPHER SEALS                           | 7   |
| B/O      |          |     | -77    | 1      | 1/4 NPT BULK HEAD FITTING                  | BRASS              | PACIFIC RUBBER # PAR207ACBHS-4                      | 7   |
| B/O      |          |     | -79    | 5      | 90° 1/4 NPT (M) TO 3/8 FLARELESS           | BRASS              | PACIFIC RUBBER # PAR169-PF-6-4                      | 7   |
| B/O      |          |     | -81    | 1      | 1/4 NPT RUN TEE (M) TO 2 (Fem)             | BRASS              | PACIFIC RUBBER # PAR2225P-4                         | 7   |
| ASSY -1  |          |     |        |        |  |                    |   |     |

## NOTES

- POWDER COAT ALL FRAME WORK PARTS  
SHERWIN WILLIAMS NITRO BLUE P/N  
HLT2-C0006

dolly optional

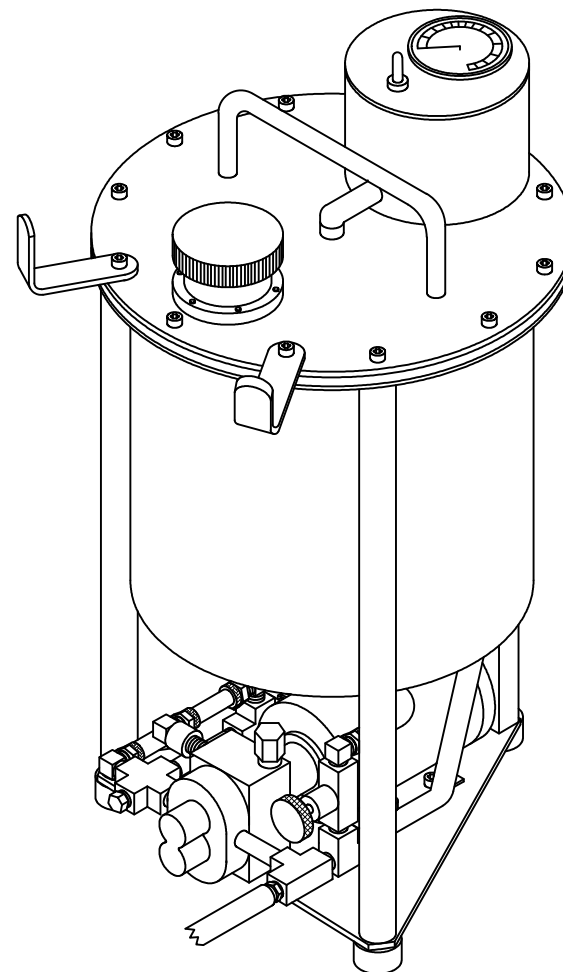
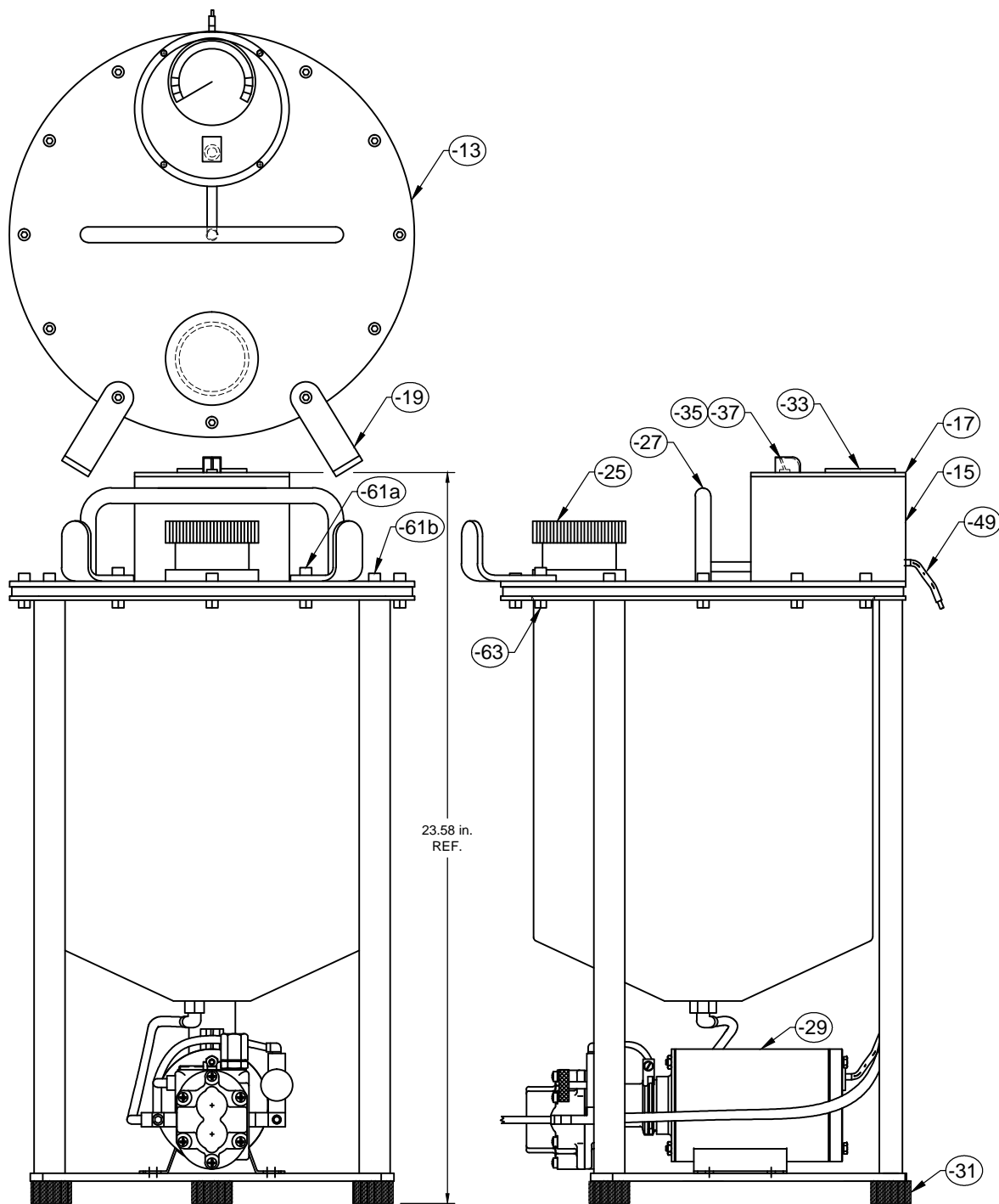
 RED BARN MACHINE

TITLE PORTABLE ELECTRIC WASH KIT  
BILL OF MATERIALS Pg. 1

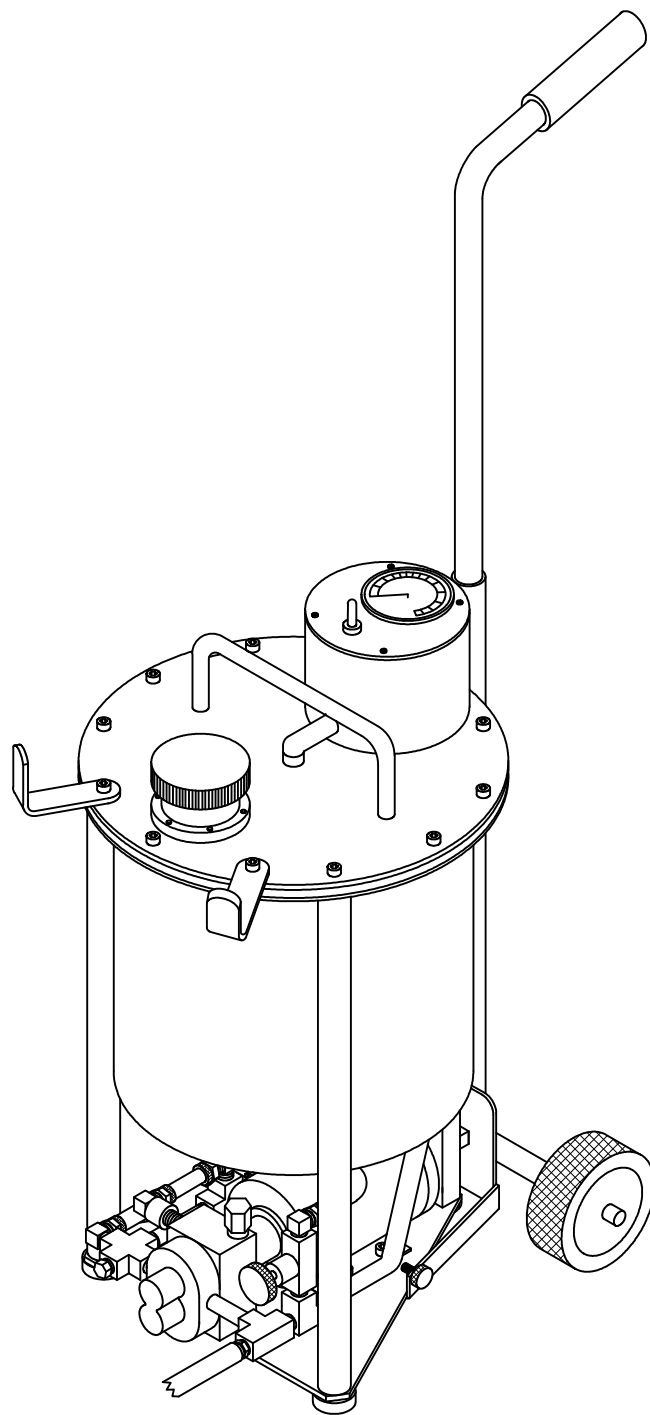
DWG NO. RBT18653 REV

|   |                  |                   |         |
|---|------------------|-------------------|---------|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES  |                  | DRAWN BY: PERRITT |         |
| TOLERANCES ON:  |                  | APPROVED          |         |
| DECIMALS  |                  | HEAT              |         |
| .XXX ± .005   | FRACTIONS ± 1/32 | TREAT             |         |
| .XX ± .01   | ANGLES ± 5°      | FINISH            |         |
| .X ± .1   |                  | SPEC              |         |
| UNLESS OTHERWISE SPECIFIED<br>1. BREAK ALL SHARP EDGES<br>.015 x 45° PR .015 R<br>2. DIMENSIONAL LIMITS APPLY AFTER PLATING |                  | USED ON MODEL     |         |
| SCALE   | NTS              | DATE              | 5-29-08 |
|   |                  | SHEET             | 3 of 15 |





| RED BARN MACHINE  |          |  |         |
|---|----------|--|---------|
| TITLE   |          | PORTABLE ELECTRIC WASH UNIT            |         |
| DWG NO.   | RBT18653 |  | REV     |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ON:<br>DECIMALS<br>.XXX ± .005<br>.XX ± .01<br>X ± .1<br>FRACTIONS ± 1/32<br>ANGLES ± 5° |          | DRAWN BY: PERRITT                      |         |
|   |          | APPROVED                               |         |
|   |          | HEAT TREAT                             |         |
|   |          | FINISH SPEC POWDER COAT S/W NITRO BLUE |         |
|   |          | USED ON MODEL                          |         |
| UNLESS OTHERWISE SPECIFIED<br>1. BREAK ALL SHARP EDGES<br>.015 x 45° PR .015 R<br>2. DIMENSIONAL LIMITS APPLY AFTER PLATING                                   |          |  |         |
|   |          |  |         |
| SCALE   | NTS      | DATE                                   | 5-29-08 |
|   |          | SHEET                                  | 2 of 15 |



|   |          |  |
|---|----------|--|
| <b>RED BARN MACHINE</b>   |          |  |
| <b>TITLE</b> PORTABLE ELECTRIC WASH UNIT  |          |  |
| <b>DWG NO.</b>  | RBT18653 | <b>REV</b>   |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ON:<br>DECIMALS<br>.XXX $\pm$ .005<br>.XX $\pm$ .01<br>X $\pm$ .1<br>FRACTIONS $\pm$ 1/32<br>ANGLES $\pm$ 5° |          | <b>DRAWN BY:</b> PERRITT<br><b>APPROVED</b><br>_____<br><b>HEAT TREAT</b><br>_____<br><b>FINISH SPEC</b> POWDER COAT S/W NITRO BLUE<br>_____<br>USED ON MODEL<br>_____ |
| UNLESS OTHERWISE SPECIFIED<br>1. BREAK ALL SHARP EDGES<br>.015 x 45° PR .015 R<br>2. DIMENSIONAL LIMITS APPLY AFTER PLATING   |          | <b>SCALE</b> NTS<br><b>DATE</b> 5-29-08<br><b>SHEET</b> 1 of 15  |



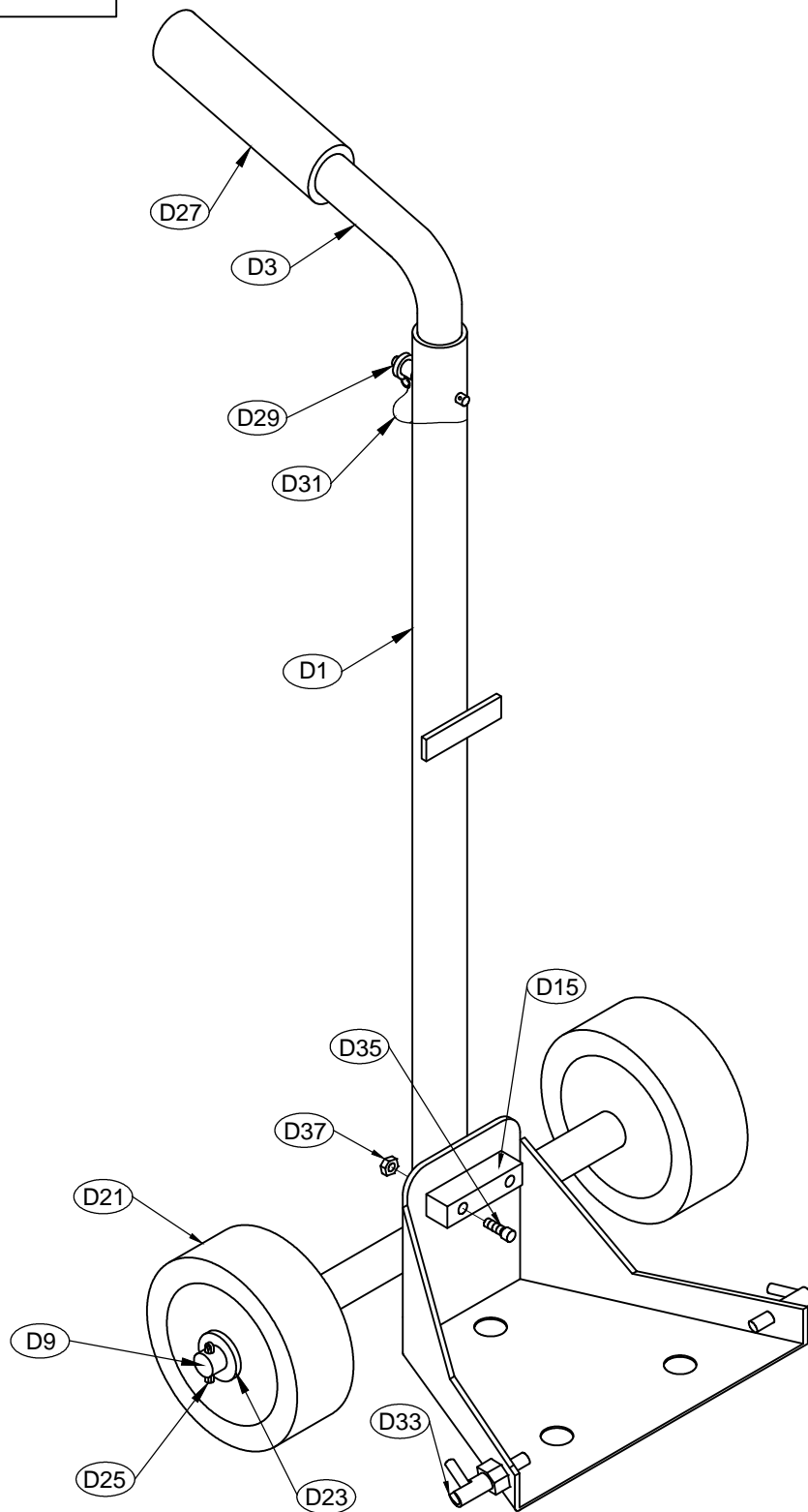
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| REVISIONS |             |      |         |          |
|-----------|-------------|------|---------|----------|
| REV       | DESCRIPTION | DATE | INITIAL | APPROVEE |
| --        | --          | -    | -       | -        |

A large, black, sans-serif watermark is oriented diagonally from the bottom-left to the top-right of the page. The text reads "NOT APPROVED FOR PRODUCTION" in all capital letters.

| ASSY QTY | ASSY QTY | B/O | PART # | QTY | DESCRIPTION | MAT. | B/O INFORMATION SPECIFICATIONS OR | Pg. | TITLE<br>PORTABLE ELECTRIC FUEL SYSTEM PRESERVATION UNIT  |  |                   |  |
|----------|----------|-----|--------|-----|-------------|------|-----------------------------------|-----|---|--|-------------------|--|
|          |          |     | -1     | 1   | RND         | 6061 | Ø8-1/4 x 3-7/8                    | 2   | DWG NO.   |  | REV               |  |
|          |          |     |        |     |             |      |                                   |     | UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES  |  | DRAWN BY: PERRITT |  |
|          |          |     |        |     |             |      |                                   |     | TOLERANCES ON:<br>DECIMALS  |  | APPROVED          |  |
|          |          |     |        |     |             |      |                                   |     | .XXX ± .005   |  | HEAT TREAT        |  |
|          |          |     |        |     |             |      |                                   |     | .XX ± .01   |  | FINISH SPEC       |  |
|          |          |     |        |     |             |      |                                   |     | .X ± .1   |  | ANGLES ± 5°       |  |
|          |          |     |        |     |             |      |                                   |     | UNLESS OTHERWISE SPECIFIED<br>1. BREAK ALL SHARP EDGES<br>.015 x 45° PR .015 R<br>2. DIMENSIONAL LIMITS APPLY AFTER PLATING |  | USED ON MODEL     |  |
|          |          |     |        |     |             |      |                                   |     | SCALE NTS   |  | DATE 8-15-07      |  |
|          |          |     |        |     |             |      |                                   |     | SHEET 1 of 3  |  |                   |  |
| ASSY #   |          |     |        |     |             |      |                                   |     |   |  |                   |  |

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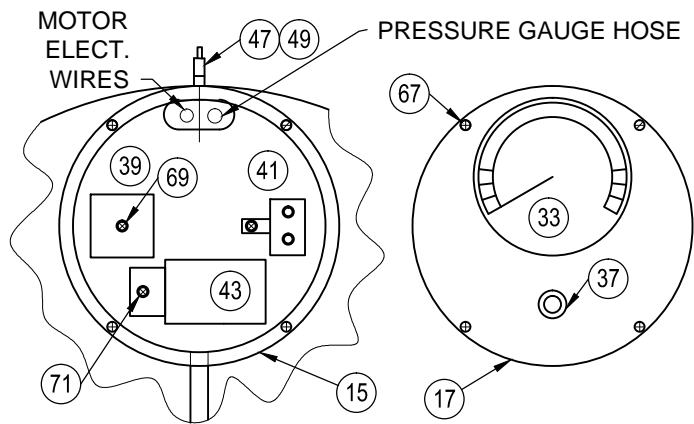
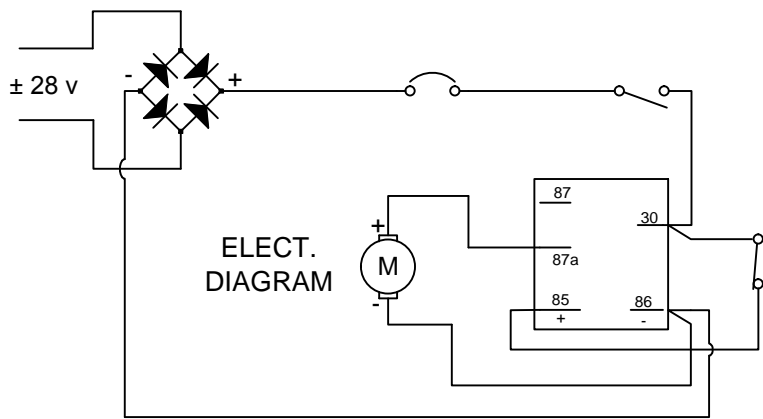
TITLE PORTABLE ELECTRIC  
WASH UNIT DOLLY (OPTIONAL)

DWG NO. RBT18653-D

**RED BARN MACHINE**

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e-mail; sales@redbarn.net

Pg. 5 of 5



CONTROL BOX

**RED BARN MACHINE**

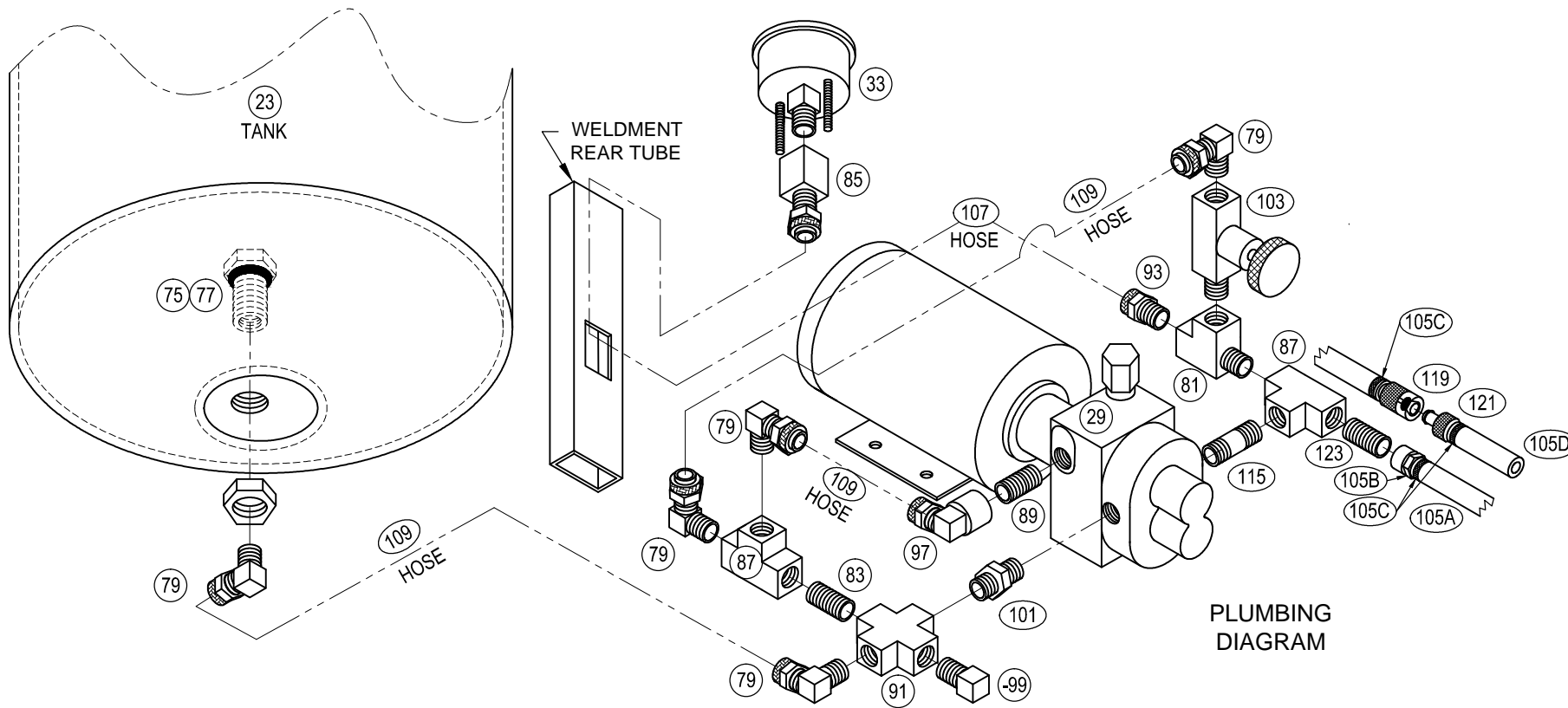
TITLE PORTABLE ELECTRIC WASH UNIT;  
PLUMBING & ELECT. DIAGRAMS

DWG NO. RBT18653-21 & -117

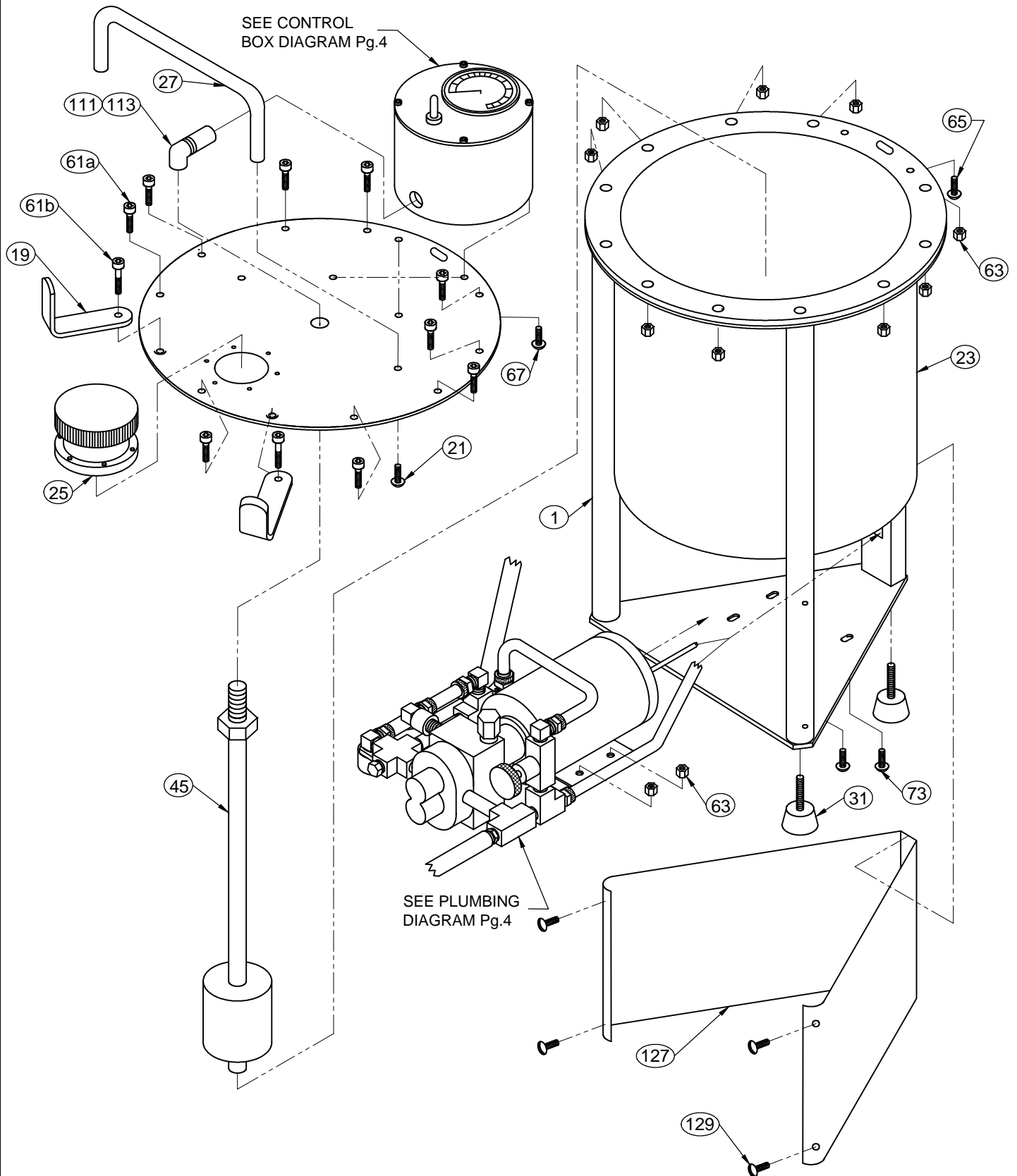
**RED BARN MACHINE**  
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e-mail: sales@redbarn.net

Fig. 4 of 5

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PLUMBING  
DIAGRAM



**RED BARN MACHINE**

TITLE PORTABLE ELECTRIC WASH UNIT

DWG NO. RBT18653

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Eugene, Oregon 97402  
(541) 344-9953; fax (541) 344-3863  
e-mail; sales@redbarn.net

| PART # | QTY    | DESCRIPTION            | Pg. |
|--------|--------|------------------------|-----|
| -1     | 1      | FRAME WELDMENT         | 3   |
| -13    | 1      | TOP                    | 3   |
| -15    | 1      | CONTROL BOX            | 4   |
| -17    | 1      | CONTROL BOX COVER      | 4   |
| -19    | 2      | HOSE & CORD HANGERS    | 3   |
| -21    | 2      | SCREWS                 | 3   |
| -23    | 1      | 5 gal. TANK            | 3   |
| -25    | 1      | FILLER CAP WITH SCREWS | 3   |
| -27    | 1      | HANDLE                 | 3   |
| -29    | 1      | MOTOR & PUMP UNIT      | 4   |
| -31    | 3      | FOOTING                | 3   |
| -33    | 1      | PRESSURE GAUGE         | 4   |
| -37    | 1      | TOGGLE SWITCH          | 4   |
| -39    | 1      | RECTIFIER              | 4   |
| -41    | 1      | CIRCUIT BREAKER        | 4   |
| -43    | 1      | RELAY                  | 4   |
| -45    | 1      | FLOAT SWITCH           | 3   |
| -47    | 1      | CORD RETAINER          | 4   |
| -49    | 50 ft. | ELECTRICAL CORD        | 4   |
| -61a   | 9      | SCREWS                 | 3   |
| -61b   | 2      | SCREWS                 | 3   |
| -63    | 13     | LOCK NUTS              | 3   |
| -65    | 2      | SCREW                  | 3   |
| -67    | 6      | SCREWS                 | 4   |
| -69    | 1      | SCREWS                 | 4   |
| -71    | 2      | SCREWS                 | 4   |
| -73    | 4      | SCREWS                 | 3   |
| -75    | 1      | O-RING                 | 4   |
| -77    | 1      | TANK FITTING           | 4   |
| -79    | 5      | FITTING                | 4   |
| -81    | 1      | FITTING                | 4   |
| -83    | 1      | NIPPLE                 | 4   |
| -85    | 1      | FITTING                | 4   |
| -87    | 2      | FITTING                | 4   |
| -89    | 1      | NIPPLE                 | 4   |

| PART # | QTY | DESCRIPTION                | Pg. |
|--------|-----|----------------------------|-----|
| -91    | 1   | FITTING                    | 4   |
| -93    | 1   | FITTING                    | 4   |
| -97    | 1   | FITTING                    | 4   |
| -99    | 1   | PLUG                       | 4   |
| -101   | 1   | NIPPLE                     | 4   |
| -103   | 1   | RELIEF VALVE               | 4   |
| -105a  | 1   | HIGH PRESSURE HOSE         | 4   |
| -105b  | 1   | FITTING                    | 4   |
| -105c  | 3   | HOSE CLAMP                 | 4   |
| -105d  | 1   | HIGH PRESSURE HOSE         | 4   |
| -107   | 1   | 1/4 in. NYLON HOSE         | 4   |
| -109   | 1   | 3/8 in. NYLON HOSE         | 4   |
| -111   | 1   | FITTING                    | 3   |
| -113   | 1   | NIPPLE                     | 3   |
| -115   | 1   | NIPPLE                     | 4   |
| -119   | 1   | QUICK DISCONNECT BODY      | 4   |
| -121   | 1   | QUICK DISCONNECT INSERT    | 4   |
| -123   | 1   | NIPPLE                     | 4   |
| -127   | 1   | SHIELD                     | 3   |
| -129   | 4   | SCREWS                     | 3   |
| -D     | 1   | WASH UNIT DOLLY (OPTIONAL) | 5   |
| -D1    | 1   | DOLLY FRAME WELDMENT       | 5   |
| -D3    | 1   | HANDLE                     | 5   |
| -D9    | 1   | AXLE                       | 5   |
| -D15   | 1   | STOP                       | 5   |
| -D21   | 2   | WHEELS                     | 5   |
| -D23   | 4   | WASHERS                    | 5   |
| -D25   | 2   | COTTER PINS                | 5   |
| -D27   | 1   | HANDLE GRIP                | 5   |
| -D29   | 1   | BALL LOCK PIN              | 5   |
| -D31   | 1   | LANYARD                    | 5   |
| -D33   | 2   | LATCH PIN                  | 5   |
| -D35   | 2   | SCREWS                     | 5   |
| -D37   | 2   | LOCK NUTS                  | 5   |

 RED BARN MACHINE

TITLE PORTABLE ELECTRIC WASH UNIT  
ASSEMBLY AND DOLLY PARTS LIST

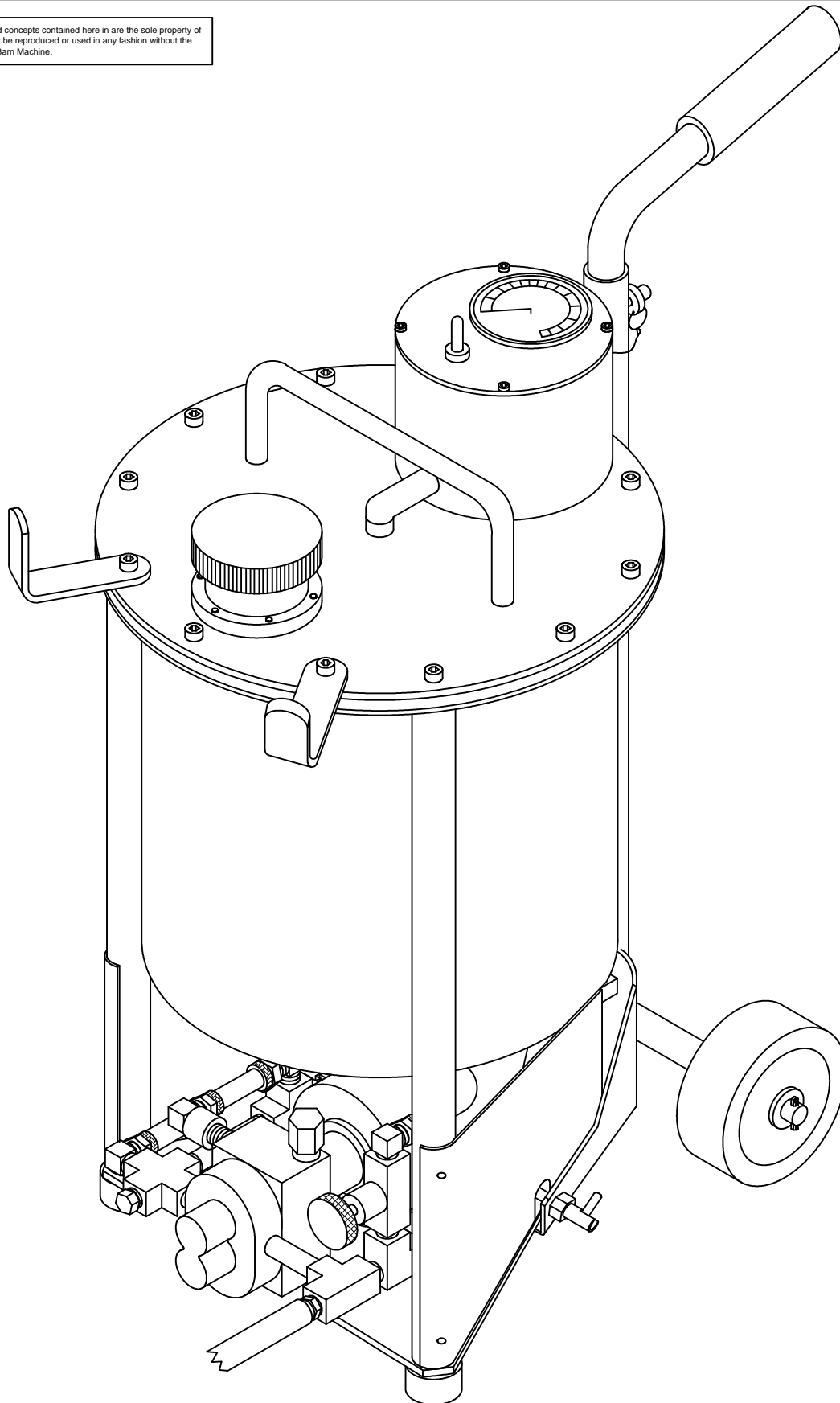
DWG NO. RBT18653 & RBT18653-D

RED BARN MACHINE

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TITLE PORTABLE ELECTRIC WASH  
UNIT ASSEMBLY AND DOLLY

DWG NO. RBT18653 & RBT18653-D

RED BARN MACHINE

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